PeopleSoft (version 9.1): Introduction to the Query Tool

Introduction

This training material introduces you to some of the basic functions of the PeopleSoft (PS) Query tool as they are used at the University of Delaware (UD). The Query tool is an end-user reporting tool, which allows you to extract precise information using visual representations of your PS database—without writing Structured Query Language (SQL) statements. The Query tool can be used to do the following:

- display data in a grid (using a Preview tab),
- preview query data within Query Manager and Query Viewer, displaying the result set in a grid for review, and
- download query results to an Excel spreadsheet.

Training Objectives

This training material was designed using a desktop computer running Windows XP (operating system) and using the Internet Explorer (version 6.0.2) browser. If you are using a different type of computer, operating system, or browser, some of the screen graphics may appear slightly different than those printed here. However, the function of the screen (page) should remain the same.

After you complete the exercises in this training material, you should be able to do the following:

- Navigate to the Query Manager Search page
- Understand the differences between a private and a public query
- Find and run existing queries
- Create and save new queries
 - o identify the two primary tables for reporting
 - o identify the criteria that should always be used in queries
- Preview query results
- Set criteria for data selection using
 - o criteria components
 - o boolean expressions
- Use prompts with a query
- Select data from multiple tables
- Use aggregate functions (defined by PS as "Having" criteria)
- Use the following expressions
 - numerical manipulation
 - o substring
 - concatenate (combine fields into one)
 - decode ("if")
- Run query results to Excel
- Use the Query Viewer

Conventions

The following conventions are used throughout the exercises in this material:

Item	Convention
Text the reader should type	Courier, bold, 10 point font
Keyboard key names	Bold, Uppercase text (e.g., the ENTER key)
Menu titles	Bold, mixed-case letters
Window titles	Bold, mixed-case letters

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Navigating to the Query Manager Search Page

Before you can use the Query tool, you must know how to navigate to the **Query Manager Search** page.

Exercise 1—How to Navigate to the Query Manager Search Page

Note: We recommend you use the Internet Explorer or Firefox. Currently, PS works best with these browsers.

- 1. Open the Internet Explorer web browser.
- 2. To access the PS program, type the following URL in the browser's Address field:

www.udel.edu/financials or www/udel.edu/firpt

3. Press ENTER.

You should see this log-in page:

Select a Lang English Dansk	
Hrancals Italiano Nederlands Polski Suomi Čeština 한국어 Thu Sign In UK English	juage: <u>Español</u> <u>Deutsch</u> <u>Français du Canada</u> <u>Maqvar</u> <u>Norsk</u> <u>Portuquês</u> <u>Svenska</u> 日本語 <u>Русский</u> 简体中文

Note: Use your User ID and Password that you normally use to logon to the UD Financial System. It is usually your UDelNet ID and password.

- 4. Type your **User ID** in the appropriate field.
- 5. Type your **Password** in the appropriate field.
- 6. Click Sign In. You should see a page similar to the following:

UD Financial System (PS version 9.1): Introduction to the Query Tool

RACLE		Home	Worklist	Add to Eavorites	Sia
tes Main Menu		Inome	TOTAIS		
nalize <u>Content</u> <u>Layout</u>					He
าน					
ID Processes ervices Procurement CM Integrations interprise Components Vorklist ree Manager Reporting Tools reople Tools My Personalizations					

On the left-hand side of the page you will see the **Menu** box, which lists the options you can access.

- 7. In the **Menu** box, click **Reporting Tools**.
- Under Query listed under Reporting Tools. You should now see the following options in the options: Query Manager – you can run an existing query, create a new query, or modify an existing query Query Viewer – you can run an existing query Schedule Query – setup a query to run on a certain date/time

Reporting Tools		
Reporting Tools		
Run, create, and manage queries and nVision reports.		
Review report list.	Query Extract information using visual representations of your PS database. Query Manager Cuery Viewer Schedule Query	PS/nVision Design and create MS Excel spreadsheet reports on PeopleSoft data. Define Report Book Register Drilldown Layout Define Report Request Define Scope

9. Click Query Manager from the options listed under Query.

You should see the Query Manager Search page, which should look similar to the following:

Query Manager Enter any information you have and click Search. Leave fields blank for a list of all values. Find an Existing Query Create New Query *Search By: Query Name Search Advanced Search	The two choices are: Find an Existing Query (defau use link to modify or run a que Create New Query – use link write a query from scratch	ult) – iery to
Find an Existing Query Create New Query		

--End of Exercise--

Understanding Public and Private Queries

Before using the Query tool, you should understand the differences between a *public* query and a *private* query. The following items are a list of the most important differences:

- A *public* query may be used by anyone.
- Only the individual who created it may use a *private* query.
- If you use a public query created by someone else—and make any modifications to it—you must leave the public query in its original form and save the modified version as your query. Use the **Save As** link to do this.

- Always save your version of a public query with a unique name. We recommend using the creator's initials as the first three letters of the query name.
- Before creating a public query, review all public queries to confirm that your initials do not duplicate the first three letters of an existing query. If your initials are already being used, select a new, unique combination of letters to use for the first three characters of the query's name.
- If you create a public query, consider making a private copy with a unique name for yourself. Therefore, if someone mistakenly changes a public query you created, you still have a copy of the original query.
- When you search for queries from the **Query Manager Search** page, PS automatically lists all private queries you created—*only you* will see these. Public queries are listed after private queries.
- If you run a public query and do not receive results, you may not have authorization to some of the data used in that query.

Note: The following table of definitions is based on information from the PS PeopleBooks online documentation. This information is included here for reference.

Terms and Buttons Used with the Query Tool

Term or Button	Action					
Add Record	Click this link to access the Query page, where you can add					
	fields to the query content or additional records.					
Col (column)	Current column number for each field listed.					
Query Name	New Unsaved Query appears in this read-only field until you					
	change it on the Properties page. This field appears on all					
	Create New Query pages.					
Record.Fieldname	Record alias and name for each field listed.					
Click the Delete button to delete the associated						
Delete hutton the query. A confirmation message appears. Click t						
	button to proceed with the deletion. Click the No button to					
	cancel the deletion.					
	Click the Use as Criteria button to open the Criteria page,					
Use as criteria button	where you can add criteria for the selected field.					

Finding All Existing Queries

Exercise 2—How to Find All Existing Queries

 If necessary, navigate to the Query Manager Search page (see instructions in exercise number 1). If you are already working within the Query tool, you can simply click Query Manager in the Navigation Bar at the top of the page. You should see Find an Existing Query page:

Query Manager					
Enter any information you have and click Search. Leave fields blank for a list of all values.					
Find an Existing Query Create New Query					
*Search By: Query Name v begins with Search Advanced Search					
Find an Existing Query Create New Query					

2. To see ALL available queries, leave the begins with field empty. Click Search.

This will return a list of queries in the Search Results :			<u>Owner</u> column:							
Query Manager Enter any information you have and click Search. Leave fields blank for a list of all values. Find an Existing Query Create New Query *Search By: Query Name V begins with Search Advanced Search Search Results Too many items met your search criteria. Only the first 300 if *Folder View: - All Folders		 Your Private queries (if any) display alphabetically at the top Public queries display next alphabetically Select column – use checkbox with the Action box to Add to Favorites, Delete. Rename, etc. Descr column – description of the queries 			lisplay h the elete. e query					
Ch	Uncheck All		*Acti	on: Delete S	Selecte	d 🗸	Go			
Query	,			Customize	Find 1	/iew 100	<u>الا ا</u> 🖻	Firs	t 🚺 1-30 of 293 🕨 Last	
Select	Query Name	<u>Descr</u>	<u>Owner</u>	Folder	<u>Edit</u>	Run to HTML	Run to Excel	Run to XML	<u>Schedule</u>	
	ATF_TRIAL_BAL_EBL		Private		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	EBL_EE_NAMES	Employee Names and Empl	Private		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	EBL_EZQ_TRANS_ALL_QUERY	Transactions from all ledgers	Private		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	EBL_TRANS_TAGS		Private		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	EZ_TRANS_NONBUDPURPNOPO	Non Budget Trans No PO Purp	Private		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	1743SC_PTD_TRAN_DETAIL_ALL_YRS	All trans for date range-Purp	Public		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	1743SC_TRAN_DETAIL_ALL_MULTI_Y	All trans for date range-Purp	Public		<u>Edit</u>	<u>HTML</u>	Excel	XML	Schedule	
	1743UD_PTD_TRAN_DETAIL_ALL_YRS	All trans for date range-Purp	Public		<u>Edit</u>	<u>HTML</u>	Excel	XML	Schedule	
	1743UD_TRAN_DETAIL_ALL_MULTI_Y	All trans for date range-Purp	Public		<u>Edit</u>	<u>HTML</u>	Excel	XML	Schedule	
	1743_BALANCES	Balances for Funds Like 1	Public		Edit	HTML	Excel	XML	Schedule	

Click on any of the column headings to sort the list by the heading. (first click A to Z, second click Z to A).

Note: If too many items are produced from a query search, only the first 300 results are displayed.

--End of Exercise—

Finding and Running an Existing Query

Exercise 3—How to Find and Run an Existing Query

1. If necessary, navigate to the **Query Manager Search** page (see instructions in exercise number 1). If you are already working within the **Query** tool, you can simply click **Query Manager** in the **Navigation Bar** at the top of the page. You should see the following:

Query Manager				
Enter any information you have and click Search. Leave fields blank for a list of all values.				
Find an Existing Query Create New Query				
*Search By: Query Name V begins with				
Search Advanced Search				
Find an Existing Query Create New Query				

2. The default for this page is Find an Existing Query, no need to click the link

Note: Before you create a new query, search for your initials to confirm that they are unique to the database. Type your initials in the **begins with** field and then click **Search**. If you do not receive any results, you can use your initials. If you receive results, you will need to create a unique 3-character beginning for the name of your query.

- 3. To find a specific query, type the first few letters of the name of the query in the **Search For** field. This field is not case-sensitive. For this exercise, in the **Search For** field, type the letters: **ebl**
- 4. Click **Search**. You should see the following Search Results:

Query	/ Manager									
Enter a	Inter any information you have and click Search. Leave fields blank for a list of all values.									
	Find an Existing Query Create New Query									
	*Search By: Query Name	begins with EBI	-							
S	earch Advanced Search									
Sear	ch Results									
	*Folder View: All Folders	\checkmark								
C	heck All Uncheck All		*Actio	n: Choose)	~	Go			
Quer	y			Customize	l Find I	View All	<u>ا</u> ر ا	Firs	st 🚺 1-30 of 36 🕨 Last	
Selec	t Query Name	Descr	Owner	Folder	Edit	Run to HTML	Run to Excel	Run to XML	Schedule	
	EBL_EE_NAMES	Employee Names and Empl IDs	Private		<u>Edit</u>	<u>HTML</u>	<u>Excel</u>	<u>XML</u>	Schedule	
	EBL_EZQ_TRANS_ALL_QUERY	Transactions from all ledgers	Private		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	EBL_TRANS_TAGS		Private		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	EBL_AAA_TRAINING	Query Training	Public	(<u>Edit</u>	HTML	Excel	<u>XML</u>	Schedule	
	EBL_ACCOUNTS_ACTIVE		Public		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	EBL_ACCOUNTS_ACTIVE_EXP_REV		Public		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	EBL_ACCTPURPCONVERSION	enter dept acronym or deptID	Public		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	EBL_COA_ROW_BY_PURPOSE	find approver, viewer, rpt distr	Public		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	EBL_COA_ROW_BY_PURP_MULTI	find approver, viewer, rpt distr	Public		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	
	EBL_EE_NAMES_IDS	Employee Names and Empl	Public		<u>Edit</u>	<u>HTML</u>	Excel	<u>XML</u>	Schedule	

- 5. To view a query, click **Edit** on the row of the query you want to view.
- 6. For this exercise, click EBL_AAA_TRAINING. You should see the following:

Records Query Expressions Prompts Fie	lds Criter	ia Having	View SQL Run			
Query Name: EBL_AAA_TRAINING Description: Query Training Seed -						
View field properties, or use field as criteria in query statement.						
Fields Customize Find View All 🔤 🛗 First 🚺 1-3 of 3 🖸 Last						
Col Record.Fieldname	Format Ord	I XLAT Ag	Heading Text	Add Criteria	Edit Delete	
1 A.CHARTFIELD1 - Purpose	Char10		Purpose	R.	Edit –	
2 A.EFF_STATUS - Status as of Effective Date	Char1	Ν	Status	R.	Edit –	
3 A.DESCR - Description	Char30		Descr	94	Edit –	
Save As New Query Preferences	Properties	Publish as	Feed New Union		Return To S	Search

Across the top of the page, you will see a row of tabs, each with a label (e.g., **Records**, **Query**, **Fields**, etc.). These pages contain additional information about the query you are viewing.

Below the tabs, you will see the name of the query in the **Query Name** field and the description of the query in the **Description** field.

Note: In the **Format** column (the second column), you will see each field described as **Char**, **Num**, or **SNm**. **Char** designates a character; **Num** or **SNm** designate a number. When you work with a query, take note of these designations because they are useful when you work with expressions such as numerical manipulation, substrings, concatenate, and decode.

Records Query Expressions Prompts Fields Criteria Having View SQL Run							
Query Name: EBL_AAA_TRAINING Description: Query Training Seed -							
View field properties, or use field as criteria in query stater	View field properties, or use field as criteria in query statement.						
Fields		Custo	omize Find View All 🖟	🛯 🔡 🛛 Fire	st 🚺 1-3 of 3 🚺 Last		
Col Record.Fieldname	Format Ord	XLAT Agg	Heading Text	Add Criteria	Edit Delete		
1 A.CHARTFIELD1 - Purpose	Char10		Purpose	94	Edit –		
2 A.EFF_STATUS - Status as of Effective Date	Char1	Ν	Status	9 <mark>4</mark>	Edit –		
3 A.DESCR - Description	Char30		Descr	9	Edit –		
Save <u>Save As</u> <u>New Query</u> <u>Preferences</u>	Properties	<u>Publish as F</u>	eed <u>New Union</u>		Return To	Search	

- 7. To run the query, click the **Run** tab
- 8. When the processing is complete, your results should look like this:

/iew A	II Rerun Query Download to E	Excel Download to X	<u>(ML</u>	First 🔳 1-100 of 1105 🕑 Last
	Purpose	Status	Descr	
1	MAST100000	A	Cost Share Purpose	
2	MAST110000	А	CEOE DEANS OFC ADMIN	Good habit
3	MAST112111	А	CEOE-LEWES HONORS DAY	
4	MAST112112	А	CEOE GRADUATE SUPPORT	Check the # of rows
5	MAST112113	А	SMSP-LEWES INSTRUCTION SUPP	returned. This helps
6	MAST112114	А	EARTH OCEAN & ENVIRONMNT INSTR	you evaluate the
7	MAST112115	А	SMSP SUPPORT	you evaluate the
8	MAST112116	А	CEOE IT OPERATIONS	validity of your results
9	MAST112117	1	(D) LEWES IT	
10	MAST112118	А	PHYSICAL OCEAN INSTRUCTION	
11	MAST112119	А	LEWES MARINE BIO SCI INSTR	

--End of Exercise--

Creating a New Query

Note: PS terminology for "table" is "record."

The basic steps to create a new query are the following:

- select the record on which to base the query
- add fields to the query content
- specify selection criteria
- format the query output
- run the query
- save the query

Exercise 4—How to Create a New Query

- 1. If necessary, navigate to the **Query Manager** (see instructions in exercise number 1). If you are already working within **Query**, click **Query Manager** in the **Navigation Bar** at the top of the page.
- 2. Click the Create New Query link:

Query Manager
nter any information you have and click Search. Leave fields blank for a list of all values.
Find an Existing Query Create New Query
*Search By: Query Name V begins with
Search Advanced Search

3. The Find an Existing Record search page will appear:

Records Query Expressions Prompts Fields	Criteria Having View SQL Run
Query Name: New Unsaved Query	Description:
Find an Existing Record	
*Search By: Record Name velocity begins with	UOD

This page is the first in a series of pages that you use to define a query within **Query Manager**. You can access each of the pages by clicking the tab at the top of the page.

- First, we'll look at one of the most frequently used records (tables) to start to get familiar with the data in UD Financials.
 - 4. In the Search by field (this field is not case-sensitive), type UOD
 - 5. Click Search button. You should see a page similar to the following:

Records Query Expressions Prompts Fields Criter	ia Having View SQL Run
Query Name: New Unsaved Query Descrip	ption:
Find an Existing Record	Query security determines
Search By: Record Name Degins with UOD Search Advanced Search	(tables) you have available to you in Query Manager.
Search Results	
Record <u>Customize</u> Find View All ²¹	First 🚺 1-20 of 83 D Last
Recname	Add Record Show Fields
UOD_ACCOUNT_PRE - UoD Account Convert Table prev	Add Record Show Fields
UOD_ACCOUNT_TBL	Add Record Show Fields
UOD_ACCT_VW	Add Record Show Fields
UOD_AWD_ATRB_VW - Award Parent Record	Add Record Show Fields
UOD_AWD_BUD_VW - Grants Award Budget data	Add Record Show Fields
UOD_BALANCES	Add Record Show Fields

These are the custom UD tables, some of the most useful to you will be:

UOD_BALANCES – Purpose balances

UOD_TRANS_DTL – Purpose transaction details

UOD_TRN_NOTE_VW – Transaction tag details (click the Last link to find it)

Note: Sometimes the record you want to use will be located near the bottom of the list, click one of the links labeled **View All** or **Last** or use the arrow buttons in the blue **Record** header. The links look similar to the following:



6. Click the Show Fields link to see fields in UOD_BALANCES.

Record Customize Find View All 🗖	📕 🖬 First 🚺 1-	20 of 83 🕨 Last
Recname	Add Record	Show Fields
UOD_ACCOUNT_PRE - UoD Account Convert Table prev	Add Record	Show Fields
UOD_ACCOUNT_TBL	Add Record	Show Fields
UOD_ACCT_VW	Add Record	Show Fields
UOD_AWD_ATRB_VW - Award Parent Record	Add Record	Show Fields
UOD_AWD_BUD_VW - Grants Award Budget data	Add Record	Show Fields
UOD_BALANCES	Add Record	Show Fields
UOD_BALANCES2	Add Record	Show Fields
UOD_BENEFITS_VW	Add Record	Show Fields
UOD_BLDG_HIS	Add Record	Show Fields
UOD_BUDCAT_ACCT	Add Record	Show Fields

You should see the following:



7. Click the **Return** button to go back to the list of records (tables).

- Next, we'll create a new query with a standard PS record (table).
 - 8. Click Query Manager in the Navigation Bar at the top of the page.
 - 9. Click the Create New Query link:

Query Manager	
Enter any information you have and click Search Leave fields blank for a list of a Find an Existing Que (Create New Query *Search By: Query Name Begins with Advanced Search	ill values.

10. The Find an Existing Record search page will appear. In the Search by field, type GL

Records Query Expressions Prompts Fields	Criteria Having View SQL Run
Query Name: New Unsaved Query	Description:
Find an Existing Record	
*Search By: Record Name V begins with	GL
Search Advanced Search	

11. You should see a page similar to the following. Click the Add Record link for GL_ACCOUNT_TBL.

Search Results			
Record	Customize Find View All	📕 🛛 First 🚺	1-8 of 8 🚺 Last
Recname		Add Record	Show Fields
GLC8572_CLS_VW - GLC8572 Permiss	sion Security	Add Record	Show Fields
GLC8572_DYN_VW - GLC8572 Dynam	ic Rule Security	Add Record	Show Fields
GLC8572_OPR_VW - GLC8572 Operat	or Security View	Add Record	Show Fields
GL_ACCOUNT_TBL - Accounts	(Add Record	Show Fields
GL_JRNL_CYDWN - Journal Operator 1	Template	Add Record	Show Fields
GL_JRNL_TMPLT - Journal Operator Te	emplate	Add Record	Show Fields
GL_JRN_CYDWN_VW - Journal Operat	tor Template	Add Record	Show Fields
GL_OLAP_LED_REQ - Build Ledger Cu	be Request	Add Record	Show Fields

12. Click **OK** when this message box appears. It will automatically create a criteria because this record is effective dated.

Message	×
An effective date criteria has been automatically added for this effective dated record. (139,60)	
ОК	

Effective Date:

Tables with values that are subject to change over time have Effective Dates so that an accurate history can be maintained.

For example the **GL Dept** table is effective dated so that department name changes can be stored historically. You should now be viewing the **Query** tab, which should look similar to the following:

	Recor	rds	Quer	y Expressions	Prompts	Fields	Criteria	Having	View	SQL	Run			
	Query	Name:	Ne	w Unsaved Query			Des	cription:						
	Click folder next to record to show fields. Check fields to add to query. Uncheck fields to remove from query. Add additional records by clicking the records tab. When finished click the fields tab.													
	Chosen Records													
	Alias Record													
\triangleleft	🗁 A	GL_A	ccou	INT_TBL - Accounts	>					<u>Hierarc</u>	<u>hy Join</u>		-	
			С	heck All		Und	check All							
		Fields						<u>Find</u> Viev	v All I	First 🚺	1-34 of 34	Last		
			D	SETID - SetID				7	oin SP S		IONVW -	94		
			D	ACCOUNT - Accou	nt			<u>8</u>	ec vw - I	ableSe	<u>t ID's</u>	9		
			0	EFFDT - Effective D)ate									
				EFF_STATUS - Sta	tus as of Effe	ective Date				A lis	t of th	e 34 fie	elds i	n the
				DESCR - Description	n					reco	ord will	l be dis	play	ed.
				DESCRSHORT - S	hort Descript	ion			I					
				DESCRLONG - Des	scription							94		
				BUDG_OVERRIDE	_ACCT - Bud	lget Overric	de Account					94		
				ACCOUNTING_OW	/NER - Acco	unting Own	er					94		
	AB_ACCOUNT_SW - ABM Account										94			
	GL_ACCOUNT_SW - General Ledger Account											94		
				PF_ACCOUNT_SW	/ - Performan	ice Measur	ement					94		
		V		ACCOUNT_TYPE -	<u>Jo</u> A	oin ACCT	TYPE	TBL -	94					

Note: PS names the first record you select as "A". If you use more than one record in a query, PS will name the second record "B", etc.

- 13. For this exercise, you will select the following fields. Click the checkmark box in front of each of the following seven fields:
 - SETID SetID
 - ACCOUNT Account
 - EFFDT Effective Date
 - EFF_STATUS Status as of Effective Date
 - DESC Description
 - ACCOUNT_TYPE Account Type

Helpful Hint: The A-Z button ($\stackrel{!}{\not{z}}$) located in the upper right-hand corner sorts the fields in alphabetical order. It is a toggle button—if you click it once the fields are alphabetized; if you click it a second time, the fields return to their original order.

Note: On the right-hand side of the page you will see information about "joins" (underlined blue text). We will discuss this topic in a later exercise. Query Security determines which table joins you will see.

14. Click the Fields tab.

You should see following page, which lists the fields you selected in the previous step.

Records Query Expressions Prompts Fields Criteria Having View SQL Run													
Query Name: New Unsaved Query Description:													
View field properties, or use field as criteria in query statement. Reorder / Sort													
Fields				Custo	mize Find View All	🛛 📔 🛛 Fir	st 🚺 1-6 o	f 6 🚺 Last					
Col Record.Fieldname	Format	Ord	XLAT	Agg	Heading Text	Add Criteria	Edit	Delete					
1 A.SETID - SetID	Char5				SetID	94	Edit	-					
2 A.ACCOUNT - Account	Char10				Account	%	Edit	—					
3 A.EFFDT - Effective Date	Date				Eff Date	9	Edit	-					
4 A.EFF_STATUS - Status as of Effective Date	Char1		Ν		Status	%	Edit	-					
5 A.DESCR - Description	Char30				Descr	9	Edit	-					
6 A.ACCOUNT_TYPE - Account Type	Char1				Туре	9	Edit	-					
Save As New Query Preference	s <u>Prope</u>	rties	Publis	h as F	eed <u>New Union</u>			Return To					

15. Save the query with the **<u>Save As</u>** link.

(NEVER use the Save button, it is too easy to overwrite a Public query).

You should see a page that looks similar to the following:

Enter a name	to save this query as:
*Query:	
Description:	
Folder:	
*Query Type:	User 🔽
*Owner:	Private 🔽
Query Definit	ion:
ОК	Cancel

Note: Keep in mind the following naming conventions when you create a name for a new query:

- Before you save the query, confirm that someone else doesn't have the same initials you do.
- If your initials are not already in use, name your query using the first three initials of your name.
- 16. Enter the following:

Query - type the name of the query: **xxx_class** (where **xxx** represents your initials). For example, if your name is Shannon Michelle North, you would type **smn_class**.

Description - type: query class exercise 1 Query Type - confirm that User is selected. Owner - confirm that Private is selected. 17. Your completed Save As page will look similar to this:

Enter a name	to save this query as:
*Query:	smn_class
Description:	query class exercise 1
Folder:	
*Query Type:	User 🔽
*Owner:	Private
Query Definit	ion:
ОК	Cancel

- 18. Click **OK**.
- 19. Click the Run tab.

You should see a page similar to the following:

Record	s Query	Expressions	Prompts Field	ls Criter	ia Having View SQL Run	
View /	All Rerun Quer	First 🔳 1-100 of 1970 🕑 Last				
	SetID	Account	Eff Date	Status	Descr	Туре
1	UOD01	140130	01/01/1951	A	ELECTRONICS SHOP EXPENSE	E
2	UOD01	140140	01/01/1951	A	STUDENT CENTER EXPENSE	E
3	UOD01	140150	01/01/1951	A	PHYSICS SHOP EXPENSE	E
4	UOD01	140160	01/01/1951	A	UPS SHIPMENTS-CENT REC/DEL-ONL	E
5	UOD01	140170	01/01/1951	A	ELECTRICAL ENGNRNG SHOP EXPENS	E
6	UOD01	140180	01/01/1951	A	SAFETY OFFICE-RADIOACTIVE MATE	E
7	UOD01	140190	01/01/1951	A	ANIMAL MAINTENANCE EXPENSE	E
8	UOD01	140200	01/01/1951	A	COPY MACHINE SUPPLIES	E
9	UOD01	140210	01/01/1951	A	MATERIALS & METALLURGY EXPENSE	E
10	UOD01	140220	01/01/1951	A	BIOLOGICAL SERVICES STOCKROOM	E
11	UOD01	140230	01/01/1951	A	RSCH OFC SMALL BALANCE ACCT CL	E
12	UOD01	140240	01/01/1951	A	WELLNESS BENEFIT	E
13	UOD01	140250	01/01/1951	A	NON-CENTRAL COMPUTER CHARGES	E
14	UOD01	140260	01/01/1951	A	NON-CENTRAL COMPUTER CHARGES	E
15	UOD01	140270	01/01/1951	A	LEWES STOCKROOM	E

You should see six columns and a number of rows of data. Note the number of rows you receive, which is indicated above the right-most column on the page. In this example page, 1970 rows are returned. You cannot sort the results on the Run tab, go to the Fields tab and use the Reorder / Sort button.

Pages Used to Create a Query

The pages listed in the following table are those used to create a new query.

Note: The following table is based on information from the PS PeopleBooks online documentation. This information is included here for reference.

Page Name	Definition Name	Navigation	Usage
Query	QRY_QUERY	Reporting Tools, Query, Query Manager Click the Create New Query link on the Query Manager search page. Click the Search button. Click the Add Record link to select a record for the query.	Select a record for the query criteria.
Fields	QRY_FIELDS	Reporting Tools, Query, Query Manager, Fields Select each field that you want to use in the query, and then click the Add Criteria icon, or click the Check All button to select all the fields associated with the record as criteria.	Select the fields to be used as criteria for the query.
Criteria	QRY_CRITERIA	Reporting Tools, Query, Query Manager, Criteria	View and edit selection criteria for your query statement.
Edit Criteria Properties	QRY_CRITERIA_ SEC	Reporting Tools, Query, Query Manager, Criteria Click the Add Criteria button on the Criteria page or click the Use As Criteria link on the Fields page.	Edit selection criteria properties for your query statement.

--End of Exercise--

Adding New Criteria to a Field in a Query

You can view data for a specific department by adding criteria to a field in a query. The next exercise explains how to add new criteria to the **A.DEPTID** - **Department** field and shows you how to add the criteria that every query needs.

In addition to adding criteria to filter the information you want to see, there is a criteria that you should add to your query to enhance performance.

Exercise 5—How to Add New Criteria to a Query

1. Click the Fields tab.

You should see a page similar to the following:

Records Query Expressions Prompts Fields Criteria Having View SQL Run													
Query Name: SMN_CLASS Description: query class exercise 1													
View field properties, or use field as criteria in query stater	nent.						Reorder	/ Sorl					
Fields				Custo	mize Find View All 🖄	ا 🔛 🖬 🖬	st 🚺 1-6 of	f 6 💵 Last					
Col Record.Fieldname	<u>Format</u>	<u>Ord</u>	<u>XLAT</u>	<u>Agg</u>	Heading Text	Add Criteria	Edit	Delete					
1 A.SETID - SetID	Char5				SetID	94	Edit	-					
2 A.ACCOUNT - Account	Char10				Account	9	Edit	-					
3 A.EFFDT - Effective Date	Date				Eff Date	9	Edit	-					
4 A.EFF_STATUS - Status as of Effective Date	Char1		Ν		Status	9	Edit	-					
5 A.DESCR - Description	Char30				Descr	7	Edit	-					
6 A.ACCOUNT_TYPE - Account Type	Char1				Туре	9.)	Edit	-					
Save Save As New Query Preferences Properties Publish as Feed New Union Return To S													

2. On the A.ACCOUNT_TYPE – Account Type field, click the Add Criteria icon 🐕

3. You will see the Edit Criteria Properties page:

Edit Criteria Properties Choose Expression 1 Type © Field ○ Expression	Expression 1 Choose Record and Field Record Alias.Fieldname: Chocount_TYPE - Account Type	
*Condition Type:	equal to	
Choose Expression 2 Type Field Expression Constant Prompt Subquery	Expression 2 Define Constant Constant: E Q	The 5 Account Types are: Expense (E) Revenue (R) Asset (A) Liability (L) Net Assets (Q)

4. In the **Define Constant** box, type: **E** (not case sensitive)

Note: Because you chose to add criteria to the **A.ACCOUNT_TYPE** field, that field is automatically placed in the **Choose Record and Field** box. To select a different field, click the magnifying glass icon in this box.

- 5. Click **OK**. You will return to the **Fields** page.
- 6. Click the **Criteria** tab to view the criteria you've added.

(A.EFFDT - Effective Date criteria was added automatically when you chose this record.)

Records Query	Expressions Prompts	Fields Criteria Ha	ing View SQL Run			
Query Name: SM	N_CLASS	Description: qu	ery class exercise 1	S Feed -		
Add Criteria	Group Criteria Reorder Cr	iteria				
Criteria			Customize Find 🗖 🛗	First 🚺 1-2 of 2 🚺 Last		
Logical	Expression1	Condition Type	Expression 2	Edit Delete		
	A.EFFDT - Effective Date	Eff Date <=	Current Date	Edit –		
AND	A.ACCOUNT_TYPE - Account Ty	/pe equal to	E	Edit –		
Save	<u>Save As New Query Prefere</u>	ences <u>Properties</u> Publi	sh as Feed <u>New Union</u>	Return To Search		

7. Click the **Run** tab.

Record	s Query	Expressions Pr	ompts Fields	Criteria	Having View SQL Run	
View	All Rerun Que	ry Download to Exce	Download to XML			First 🔳 1-100 of 676 🔍 Last
	SetID	Account	Eff Date	Status	Descr	Туре
1	UOD01	120200	01/01/1951	A	PROFESSIONAL STAFF FULL-TIME	E
2	UOD01	120201	11/11/2004	1	(D)DO NOT USE, USE 120200	E
3	UOD01	120299	01/01/1951	A	COMPENSATED ABSENCES	E
4	UOD01	120300	01/01/1951	A	PROFESSIONAL STAFF PART-TIME	E
5	UOD01	120400	01/01/1951	Α	SUPPLEMENTAL PAY - PROFESSIONA	F

Note that you now have fewer rows and all of your rows have Type = E. This sample has 676 rows.

End o	of Exe	rcise
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Adding a New Field to a Query

If you decide you want to see more information for each row, you can add a new field to a query. In the next exercise, you will add the **UOD_CHRTFLD1_DESCR – Description** field to the query you've created.

Exercise 6—How to Add a New Field to a Query

- 1. Click the **Query** tab to view the available fields.
- 2. Click the record icon 🔁 to show the available fields

Records Que	ery Expre	ssions Promp	ts Fields	Criteria Havi	ng View SQL	Run	
Query Name: S	SMN_CLASS			Description	: query class ex	xercise 1	
Click folder next t records by clickin	o record to she g the records t	ow fields. Check f tab. When finishe	ields to add to qu d click the fields t	iery. Uncheck field ab.	s to remove from q	uery. Add addition	al
Chosen Records	\$						
Alias Record	COUNT_TBL -	- Accounts				Hierarchy Join	-
Save	Save As	New Query	Preferences	Properties	Publish as Feed	New Union	

3. Click the checkbox in front of the field: DESCRSHORT - Short Description

Chose	en Reco	rds						
Alias Record								
A GL_ACCOUNT_TBL - Accounts Hierarchy Join								
		С	heck All Uncheck	ck All				
	Fields			<u>Find</u> View All 🛛 First I 1-34 of 34 Last				
	\checkmark	0	SETID - SetID	Join SP SETID NONVW -				
	\checkmark	0	ACCOUNT - Account					
	\checkmark	0	EFFDT - Effective Date	94				
	\checkmark		EFF_STATUS - Status as of Effective Date	94				
			DESCR - Description	9.				
(DESCRSHORT - Short Description	9.				
	DESCRLONG - Description							
			BUDG_OVERRIDE_ACCT - Budget Override Ad	Account 😪				

4. Click the **Fields** tab to confirm that the field has been added to the list of fields.

View field properties, or use field as criteria in query statement. Reorder / Sor								
Fields Customize Find View All 🕮 🛗 First 🚺 1-7 of 7								r 7 🚺 Last
Col Record.Fieldname	<u>Format</u>	<u>Ord</u>	<u>XLAT</u>	<u>Agg</u>	Heading Text	Add Criteria	Edit	Delete
1 A.SETID - SetID	Char5				SetID	94	Edit	-
2 A.ACCOUNT - Account	Char10				Account	94	Edit	-
3 A.EFFDT - Effective Date	Date				Eff Date	94	Edit	-
4 A.EFF_STATUS - Status as of Effective Date	Char1		Ν		Status	94	Edit	-
5 A.DESCR - Description	Char30				Descr	94	Edit	-
6 A.ACCOUNT_TYPE - Account Type	Char1				Туре	9	Edit	-
7 A.DESCRSHORT - Short Description	Char10				Short Desc	94	Edit	-
Save As New Query Preferences	Proper	<u>ties</u>	Publis	h as F	eed <u>New Union</u>			Return To S

5. Click the Save As link.

- 6. In the **Query** field type: **xxx_class2** (where **xxx** are your initials)
- 7. In the **Description** field type: query class exercise 6
- 8. Click **OK**.

Enter a name	Enter a name to save this query as:					
*Query:	SMN_CLASS2					
Description:	query class exercise 6					
Folder:						
*Query Type:	User 🔽					
*Owner:	*Owner: Private					
Query Definit	ion:					
OK Cancel						

9. Click the **Run** tab.

Note the new column on the far right for **Short Descr**.

ecor	ds I Quen		Promote	Fields	Criteria Having View SO Run		
CCOL		L LAPICSSIONS	Trompts	Tielus	Chiteria Having View Stat. Run		
√iew	All Rerun C	Query Download	to Excel Downlo	ad to XML		First 🔳	1-100 of 676 🕨 🛓
	SetID	Account	Eff Date	Status	Descr	Туре	Short Desc
1	UOD01	120200	01/01/1951	A	PROFESSIONAL STAFF FULL-TIME	E	PROF FT
2	UOD01	120201	11/11/2004	1	(D)DO NOT USE, USE 120200	E	PROF FT
3	UOD01	120299	01/01/1951	A	COMPENSATED ABSENCES	E	COMP ABSEN
4	UOD01	120300	01/01/1951	A	PROFESSIONAL STAFF PART-TIME	E	PROF PT
5	UOD01	120400	01/01/1951	A	SUPPLEMENTAL PAY - PROFESSIONA	E	SUPPL PR
6	UOD01	120500	01/01/1951	A	OFF-CAMPUS - PROFESSIONAL	E	OFF-CMP PR
7	UOD01	120700	01/01/1951	A	DISABILITY PAY PROFESSIONALS	E	DISABILITY
8	UOD01	120800	05/04/2010	A	POST DOC/FACULTY FELLOW	E	POSTDOC
9	UOD01	120801	11/12/2004	1	(D)DO NOT USE, USE 120800	E	POST-DOCTO
10	UOD01	120802	11/12/2004	1	(D)DO NOT USE, USE 120800	E	POST-DOCTO
11	UOD01	121000	01/01/1951	A	CHAIRPERSONS	E	CHAIRPERSO
12	UOD01	121010	01/23/2006	1	(D)DO NOT USE, USE 121000	E	DO NOT USE
13	UOD01	121020	01/23/2006	1	(D)DO NOT USE, USE 121000	E	DO NOT USE
14	UOD01	121100	01/01/1951	A	FACULTY FULL-TIME (BARGAINING	E	FACULTY FT
15	UOD01	121101	11/12/2004	1	(D)DO NOT USE, USE 121100	E	FACULTY FT
16	UOD01	121102	11/12/2004	1	(D)DO NOT USE, USE 121100	E	FACULTY FT
17	UOD01	121110	01/23/2006	1	(D)DO NOT USE, USE 121100	E	DO NOT USE
18	UOD01	121120	01/23/2006	1	(D)DO NOT USE, USE 121100	E	DO NOT USE
19	UOD01	121200	01/01/1951	A	FACULTY PART-TIME	E	FACULTY PT
20	UOD01	121300	01/01/1951	A	FACULTY SUMMER SUPPLEMENT	E	FAC SMR
21	UOD01	121400	01/01/1951	A	SUPPLEMENTAL PAY-FACULTY	E	SUPPL FAC
22	UOD01	121500	01/01/1951	А	OFF CAMPUS FACULTY	E	OFF CMP FC
23	UOD01	121600	01/01/1951	A	ACADEMIC CENTER DIRECTORS	E	ACD CT DIR
24	UOD01	121700	01/01/1951	A	SALARIED STAFF - TEACHING	E	SAL ST TC
25	UOD01	121800	01/01/1951	A	SUMMER FAC ADMIN/RESEARCH	E	SMR FAC
26	UOD01	121900	01/01/1951	А	SUMR FAC-NO RETIREMENT	E	SUMR FAC

--End of Exercise-

Using Other Condition Types

A condition type determines how Query Manager compares the values of the first (left-hand) expression to the second (right-hand) expression. The following table describes the available condition types. For each of the condition types, Query Manager offers a *not* option that reverses its effect. For example, *not equal to* returns all rows that *equal to* would not return.

Note: It's always better to use the *not* version of an operator rather than the NOT operator on the entire criterion. When you use NOT, Query can't use SQL indexes to increase the data search. When you use the *not* version of an operator, Query can translate it into a SQL expression, which enables it to use the indexes.

Condition Types	When It Returns a Row
between	The value in the selected record field falls between two comparison values. The range is inclusive.
equal to	The value in the selected record field exactly matches the comparison value.
exists	This operator is different from the others, in that it doesn't compare a record field to the comparison value. The comparison value is a subquery. If the subquery returns any data, PS Query returns the corresponding row.
greater than	The value in the record field is greater than the comparison value.
in list	The value in the selected record field matches one of the comparison values in a list.
in tree	The value in the selected record field appears as a node in a tree created with PS Tree Manager. The comparison value for this operator is a tree or branch of a tree that you want PS Query to search.
is null	The selected record field doesn't have a value in it. You don't specify a comparison value for this operator. Key fields, required fields, character fields, and numeric fields do not allow null values.
less than	The value in the record field is less than the comparison value.
like	The value in the selected field matches a specified string pattern. The comparison value may be a string that contains wildcard characters. The wildcard characters that PS Query recognizes are % and
	% matches any string of zero or more characters. For example, C% matches any string starting with C, including C alone.
	_ matches any single character. For example, _ones matches any five-character string ending with <i>ones,</i> such as Jones or Cones.
	PS Query also recognizes any wildcard characters that your database software supports. See your database management system documentation for details. To use one of the wildcard characters as a literal character (for example, to include a % in your string), precede the character with a \ (for example, percent\%\).

Note: If you've selected the EFFDT field on an effective-dated table, PS Query also offers special effective date operators.

Exercise 7—How to Use Other Condition Types

You can specify criteria in many ways. In an earlier exercise, you selected data where the Account Type was equal to a specific value. You may want to see data where a field is between a range of data, or greater than or less than a value, etc. You may also want to use wildcard characters in your criteria. In the following exercise, you will specify a range of values for the account field.

1. Click the Fields tab.

Records Query Expressions Prompt Fie	lds Criter	ia Havin	g View SQL Run					
Query Name: SMN_CLASS2 Description: query class exercise 6 Si Feed -								
View field properties, or use field as criteria in query statement.								
Fields		Cu	istomize Find View All 🗖	Firs 📔	t 🖪 1-7 of 7 🕨 Last			
Col Record.Fieldname	Format Ord	I XLAT Ag	g Heading Text	Add Criteria	Edit Delete			
1 A.SETID - SetID	Char5		SetID	94	Edit –			
2 A.ACCOUNT - Account	Char10		Account	94	Edit –			
3 A.EFFDT - Effective Date	Date		Eff Date	%	Edit –			
4 A.EFF_STATUS - Status as of Effective Date	Char1	Ν	Status	%	Edit –			
5 A.DESCR - Description	Char30		Descr	%	Edit –			
6 A.ACCOUNT_TYPE - Account Type	Char1		Туре	9	Edit -			
7 A.DESCRSHORT - Short Description	Char10		Short Desc	9	Edit –			
Save As New Query Preferences	Properties	Publish as	s Feed New Union		Return To Se			

2. On the A.ACCOUNT - Account field, click the Add Criteria icon 🈘

You will see the Edit Criteria Properties page:

Edit Criteria Properties Choose Expression 1 Type Field C Expression	Expression 1 Choose Record and Field Record Alias.Fieldname: A.ACCOUNT - Account
*Condition Type: Choose Expression 2 Type	equal to Expression 2
 Field Expression Constant Prompt Subquery 	Define Constant Constant:
OK	1

3. In the **Condition Type** field, click the drop-down arrow and select **between**.

- 4. In the **Expression 2** box, you will see two blank fields.
 - In the top field (Define Constant), type: 140000
 - In the bottom field (Define Constant 2), type: 149999

Edit Criteria Properties Choose Expression 1 Type	Expression 1
● Field ○ Expression	Record Alias.Fieldname:
*Condition Type:	between
Choose Expression 2 Type	Expression 2
Const - Const Const - Field Const - Field	Constant: 140000
O Field - Const	Define Constant 2
O Field - Expr	Constant 2: 149999
O Expr - Field O Expr - Expr	
OK Cance	1

Your page should now look like this:

- 5. Click **OK**.
- 6. Click Save As link to save your work. Click OK.
- 7. Click the **Run** tab.

Your results should look like this. Note how many rows you now see.

lecord	s Query	Express	ions Prompts	Fields	Criteria Having View SQL Run		
View /	<u>All Rerun Q</u>	uery Downlo	pad to Excel Dov	vnload to X	<u>ML</u>	First	1-100 of 208
	SetID	Account	Eff Date	Status	Descr	Туре	Short Desc
1	UOD01	140000	12/07/2012	A	BUDGETING ONLY-SUPPLIES & EXP	E	BUDG ONLY
2	UOD01	140100	01/01/1951	A	ATHLETIC SUPPLIES	E	ATHL SUP
3	UOD01	140101	11/12/2004	I.	(D)DO NOT USE, USE 140100	E	ATHL SUP
4	UOD01	140102	01/01/1951	А	ATHLETIC APPAREL	E	APPAREL
5	UOD01	140110	01/01/1951	A	CHEMISTRY STOREROOM EXPENSE	E	CHEM STRM
6	UOD01	140120	01/01/1951	А	CHEMISTRY-GLASS BLOWING EXPENS	E	CHEM GLS
7	UOD01	140130	01/01/1951	A	ELECTRONICS SHOP EXPENSE	Е	ELECTR SHP
8	UOD01	140140	01/01/1951	А	STUDENT CENTER EXPENSE	E	STDT CTR E
9	UOD01	140150	01/01/1951	A	PHYSICS SHOP EXPENSE	E	PHYSICS SH
10	UOD01	140160	01/01/1951	A	UPS SHIPMENTS-CENT REC/DEL-ONL	E	UPS SHIPME
11	UOD01	140170	01/01/1951	A	ELECTRICAL ENGNRNG SHOP EXPENS	Е	EEG SHOP
12	UOD01	140180	01/01/1951	А	SAFETY OFFICE-RADIOACTIVE MATE	E	RADIO WAST
13	UOD01	140190	01/01/1951	А	ANIMAL MAINTENANCE EXPENSE	E	AN MAINT
14	UOD01	140200	01/01/1951	А	COPY MACHINE SUPPLIES	E	COPY MACHI
15	UOD01	140210	01/01/1951	A	MATERIALS & METALLURGY EXPENSE	E	MAT MET E

--End of Exercise--

Using Wildcards

You could have requested the information in the above exercise in another way. For example, you could have asked for all accounts that start with the characters 14. There are two ways to do this:

- The **percent sign (%)** is a wildcard that represents any number of characters. So, "14%" represents any character string beginning with "14" and followed by zero or other characters.
- The **underscore character (_)** is a wildcard that represents one character. So, "14_____" (four underscores) represents "14XXXX" where "X" is any character.

Exercise	8—How to	Use a Wildcard
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1. To remove the added criteria (currently set to **between**), click the **Criteria** tab. You should see a page similar to the following:

Records Query	Expressions Prompts Fields	Criteria Havi	ng View SQL Run	
Query Name: SM	N_CLASS2	Description: que	ry class exercise 6	Feed -
Add Criteria	Group Criteria Reorder Criteria			
Criteria			Customize Find 🗖 🛗	First 🚺 1-3 of 3 🕨 Last
Logical	Expression1	Condition Type	Expression 2	Edit Delete
	A.EFFDT - Effective Date	Eff Date <=	Current Date	Edit –
AND 🔽	A.ACCOUNT_TYPE - Account Type	equal to	E	Edit –
AND 🔽	A.ACCOUNT - Account	between	140000 AND 149999	Edit –
Save	Save As <u>New Query</u> <u>Preferences</u>	Properties Publish	as Feed New Union	Return 1

2. On the **A.ACCOUNT - Account** field, click the **Edit** button

In the Edit Criteria Properties page:

- 3. Condition Type click the drop-down arrow and select like.
- 4. In the Expression 2 Define Constant field, type: 14%

Your page should look this:

Edit Criteria Properties	
Choose Expression 1 Type	Expression 1
Eield	Choose Record and Field
	AACCOUNT - Account
*Condition Type:	like
Choose Expression 2	Expression 2
Constant	Define Constant
O Prompt	Constant: 14%
OK	

5. Click **OK**.

6. Click the **Run** tab.

Your results should look similar to this:

Reco	rds Query	Express	ions Prompts	Fields	Criteria Having View SQL Run		
Viev	<u>/ All Rerun Q</u>	uery Downlo	pad to Excel Dov	nload to X	<u>ML</u>	First	1-100 of 208
	SetID	Account	Eff Date	Status	Descr	Туре	Short Desc
1	UOD01	140000	12/07/2012	A	BUDGETING ONLY-SUPPLIES & EXP	E	BUDG ONLY
2	UOD01	140100	01/01/1951	A	ATHLETIC SUPPLIES	E	ATHL SUP
3	UOD01	140101	11/12/2004	1	(D)DO NOT USE, USE 140100	E	ATHL SUP
4	UOD01	140102	01/01/1951	A	ATHLETIC APPAREL	E	APPAREL
5	UOD01	140110	01/01/1951	A	CHEMISTRY STOREROOM EXPENSE	E	CHEM STRM
6	UOD01	140120	01/01/1951	A	CHEMISTRY-GLASS BLOWING EXPENS	E	CHEM GLS
7	UOD01	140130	01/01/1951	A	ELECTRONICS SHOP EXPENSE	E	ELECTR SHP
8	UOD01	140140	01/01/1951	А	STUDENT CENTER EXPENSE	E	STDT CTR E
9	UOD01	140150	01/01/1951	А	PHYSICS SHOP EXPENSE	E	PHYSICS SH
10	UOD01	140160	01/01/1951	А	UPS SHIPMENTS-CENT REC/DEL-ONL	E	UPS SHIPME

7. Click the **Fields** tab.

8. Click the <u>Save As</u> link.

Records Query Expressions Prompts Fie	lds 👔	riteria	Ha	ving	View SQL Run	<u> </u>		
Query Name: SMN_CLASS2	Desc	cripti	on: que	ery cla	ss exercise 6		5	Feed 👻
View field properties, or use field as criteria in query state	ment.						Reorder	/ Sorl
Fields				<u>Custo</u>	mize Find View All 🖄	l 🔛 🖬 🖬	st 🚺 1-7 of	7 💵 Last
Col Record.Fieldname	<u>Format</u>	<u>Ord</u>	<u>XLAT</u>	<u>Agg</u>	<u>Heading Text</u>	Add Criteria	Edit	Delete
1 A.SETID - SetID	Char5				SetID	94	Edit	-
2 A.ACCOUNT - Account	Char10				Account	94	Edit	-
3 A.EFFDT - Effective Date	Date				Eff Date	9	Edit	-
4 A.EFF_STATUS - Status as of Effective Date	Char1		N		Status	9	Edit	-
5 A.DESCR - Description	Char30				Descr	9	Edit	-
6 A.ACCOUNT_TYPE - Account Type	Char1				Туре	9	Edit	-
7 A.DESCRSHORT - Short Description	Char10				Short Desc	94	Edit	-
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9. In the **Query** field, type: **xxx_class_criteria** (where **xxx** represent your initials).

- 10. In the Description field, type: query class criteria
- 11. Click **OK**.

Enter a name	to save this query as:
*Query:	SMN_CLASS_CRITERIA
Description:	query class criteria
Folder:	
*Query Type:	User 🔽
*Owner:	Private 🔽
Query Definit	ion:
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Additional Information: Comparison between functionality of Edit buttons on Fields and Criteria tabs

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