

Student Faculty Administration System

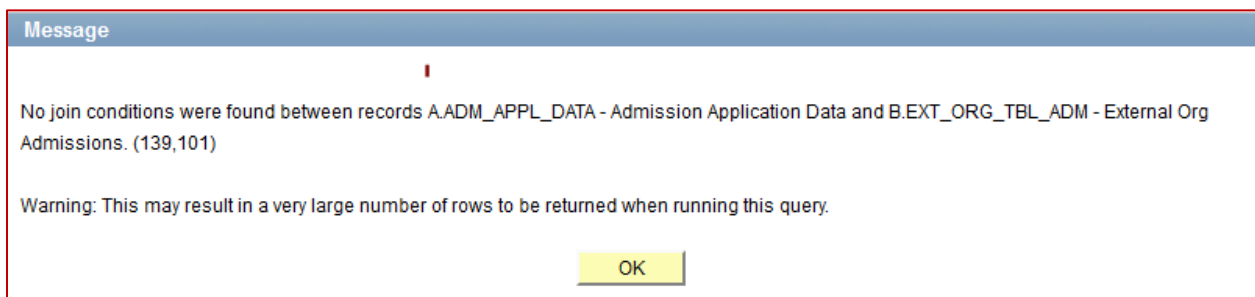
Campus Solutions 9.0
PeopleSoft Query 8.52

Manual Join Example – External Organizations Fields with Different Names

The following is a demonstration of manually joining two fields that have different names but the same data characteristics.

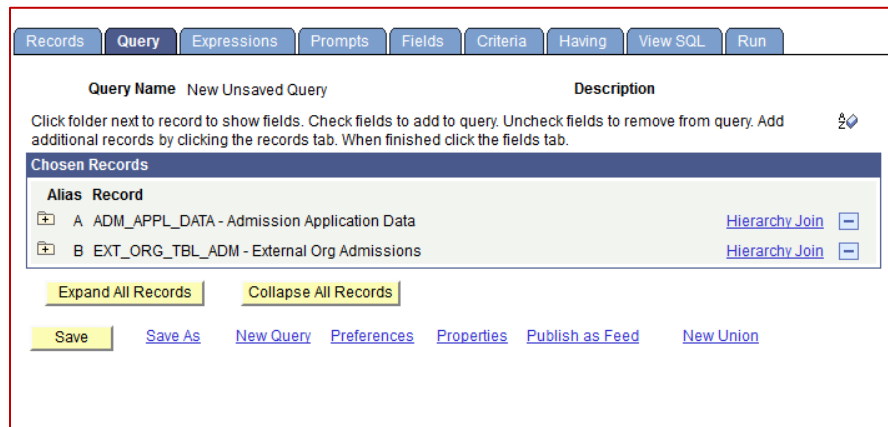
To see the ATP Code (also called CEEB Code or SAT code) of the last educational institution attended by an applicant in PeopleSoft, the two records that need to be joined are **ADM_APPL_DATA** - Admission Application Data and **EXT_ORG_TBL_ADM** - External Org Admissions.

1. From the Records tab, open with the record: **ADM_APPL_DATA**
 - a. This record is used because it contains the field LAST_SCH_ATTEND (Last School Attended) which contains the External Organization ID for the last educational institution attended by each applicant.
 - b. *The only difference between the LAST_SCH_ATTEND field and the EXT_ORG_ID field is the name of each field.***
 - c. On the Query Page, select these fields to appear in the output.
 - i. EMPLID
 - ii. ACAD_CAREER
 - iii. ADMIT_TYPE
 - iv. LAST_SCH_ATTEND
2. From the Records tab click on Join Record for the following: **EXT_ORG_TBL_ADM**.
 - a. This record is used because it contains the ATP_CD (ATP Code) field and the EXT_ORG_ID (External Org ID) field.
 - b. When the Join Type page opens and you click on the Join Record link, a Warning Message pops up saying that “No join conditions were found...” as follows:



- c. Click OK.

- d. The effective date message box pops up stating that the effective date criteria will be automatically added. Click OK.
 - e. On the Query page, select these fields to appear in the output
 - i. EXT_ORG_ID
 - ii. LS_SCHOOL_TYPE
 - iii. ATP_CD
 - iv. OFFERS_COURSES
3. The Query Page (with the Records collapsed) will appear as follows, with ADM_APPL_DATA having an alias of **A** and EXT_ORG_TBL_ADM having an alias of **B**:



4. To display the Admit Term for each applicant and the name of the Institution, create the following Expressions (using two Wesleyan Functions):
 - a. WES_GET_ADMIT_TERM
 - i. Expression Type: Character
 - ii. Length: 4
 - iii. Expression Text: WES_GET_ADMIT_TERM(A.EMPLID)
 - iv. Click OK
 - v. Click the Use as Field link
 - b. WES_GET_ORG_NAME
 - i. Expression Type: Character
 - ii. Length: 50
 - iii. Expression Text: WES_GET_ORG_NAME(E.EXT_ORG_ID)
5. If the query were run at this point, it would return tens of thousands of rows because there are no joins as of yet. This would be an example of a Cartesian join.
6. The criteria is created as in any other criteria join, i.e., you can start on the Query, Fields or Criteria page.
 - a. Begin by selecting the field of A.LAST_SCH_ATTEND as the first part of your criteria.
 - b. Make the Condition Type "equal to."
 - c. Then add the field of B.EXT_ORG_ID - External Org ID as the second part of your criteria.

- d. The Edit Criteria Properties page appears as follows:

Edit Criteria Properties

Choose Expression 1 Type

Field
 Expression

Expression 1

Choose Record and Field

Record Alias.Fieldname:
A.LAST_SCH_ATTEND - Last School

*Condition Type: equal to

Choose Expression 2 Type

Field
 Expression
 Constant
 Prompt
 Subquery

Expression 2

Choose Record and Field

Record Alias.Fieldname:
B.EXT_ORG_ID - External Org ID

OK Cancel

- e. Click OK.

7. If you want to limit the output to a certain Admit Term, you can set criteria on the field created through the Expression `WES_GET_ADMIT_TERM(A.EMPLID)`. It should look as follows (using the term 1139):

Edit Criteria Properties

Choose Expression 1 Type

Field
 Expression

Expression 1

Define Expression

Expression: WES_GET_ADMIT_TERM(A.EMPLID)

[New Expression](#) [Edit the Expression](#)

*Condition Type: equal to

Choose Expression 2 Type

Field
 Expression
 Constant
 Prompt
 Subquery

Expression 2

Define Constant

Constant: 1139

OK Cancel

- a. Click OK.

8. The following is some of the output of this query (with the Empl IDs blocked out):

	ID	Career	Admit Type	Lst School	Org ID	School Type	ATP	Offers Crs	WES_GET_ADMIT_TERM(A.EMPLID)	WES_GET_ORG_NAME(A.LAST_SCH_AT
1		UGRD	FYS	219136	219136	SCD	052159	Y	1139	Harvard Westlake School
2		UGRD	ED1	116502	116502	SCD	334070	Y	1139	Stuyvesant High School
3		UGRD	FYS	103357	103357	SCD	051510	Y	1139	Los Altos High School
4		UGRD	ED1	147169	147169	SCD	333438	Y	1139	Beacon School
5		UGRD	ED2	226598	226598	SCD	211025	Y	1139	Carver Center Arts & Technolog
6		UGRD	TRN	129197	129197	COL	003284	Y	1139	Connecticut College
7		UGRD	FYS	115065	115065	SCD	310820	Y	1139	Montclair High School
8		UGRD	FYS	111103	111103	SCD	221190	Y	1139	Lexington High School
9		UGRD	TRN	128690	128690	COL	001839	Y	1139	University of Michigan
10		UGRD	FYS	120420	120420	SCD	392985	Y	1139	Council Rock High School
11		UGRD	ED1	116275	116275	SCD	332995	Y	1139	Mamaroneck High School
12		UGRD	ED1	124323	124323	SCD	471885	Y	1139	Saint Catherines School
13		UGRD	ED1	120923	120923	SCD	400170	Y	1139	Wheeler School
14		UGRD	ED2	115012	115012	SCD	310675	Y	1139	South Hunterdon Reg High Schoo
15		UGRD	ED1	107655	107655	SCD	143926	Y	1139	Niles Township West High Schoo
16		UGRD	ED2	114824	114824	SCD	310105	Y	1139	Blair Academy
17		UGRD	FYS	105035	105035	SCD	070880	Y	1139	Taft School
18		UGRD	ED1	115382	115382	SCD	320023	Y	1139	Manzano High School
19		UGRD	TRN	129137	129137	COL	003003	Y	1139	Amherst College
20		UGRD	FYS	111148	111148	SCD	221430	Y	1139	Milton Academy
21		UGRD	FYS	105935	105935	SCD	101898	Y	1139	Trinity Prep School Of Florida
22		UGRD	ED2	105055	105055	SCD	070945	Y	1139	Loomis Chaffee School
23		UGRD	FYS	126530	126530	SCD	705720	Y	1139	International School Manila
24		UGRD	ED1	104580	104580	SCD	060530	Y	1139	Kent Denver School

9. As you can see, the Lst School column and the Org ID column have identical information. If you were creating this for actual use, you might want to remove one of those fields, and change the headers of the two expression-derived fields.
10. . If you have access to the two records used in this query, you can look at it in the Production Database. If you wish to experiment with it, please remember to make a copy, preferably a private query. If you want to change the Admit Term, use a term earlier than 1141.