

**California State University, San Bernardino School of Computer Science  
& Engineering CSE572 W2019 -Database Systems  
LAB 04 – Exploring PeopleSoft Query Manager**

On campus network, login PeopleSoft development instance below using your student id as User ID and your orafarm password as Password.

<https://cs85513.cms.calstate.edu/psp/CBSBDVL/?cmd=login>

Navigate to following pages to browse course catalog and class schedule data.

Main Menu > Curriculum Management > Course Catalog > Course Catalog

Main Menu > Curriculum Management > Schedule of Classes > Maintain Schedule of Classes

Navigate to following page to build Q1 ~ Q7 private queries.

Main Menu > Reporting Tools > Query > Query Manager

**Query#1: SB\_CSE572\_Q1**

List all courses offered by Computer Science & Engineering (ACAD\_ORG = '189') with following 5 output fields: Subject, Catalog Nbr, Course ID, Acad Group, Acad Org

Hint: primary data source record - CRSE\_OFFER (Course Catalog Offerings)

**Query#2: SB\_CSE572\_Q2**

Enhance the SB\_CSE572\_Q1 to include description field for Acad Group and Acad Org.

Hint: description field resides in ACAD\_GROUP\_TBL (Academic Group Table) and ACAD\_ORG\_TBL (Academic Organization Table)

**Query#3: SB\_CSE572\_Q3**

Enhance the SB\_CSE572\_Q2 to include long title, long description, and effective status fields.

Hint: the additional fields reside in CRSE\_CATALOG (Course Catalog Data) record.

**Query#4: SB\_CSE572\_Q4**

Refer to following SQL statement to build a query via Query Manager

```
SELECT A.CRSE_ID, A.CRSE_OFFER_NBR, A.STRM, A.SESSON_CODE, A.CLASS_SECTION,  
B.EMPLID, B.LAST_NAME, B.FIRST_NAME  
FROM PS_CLASS_INSTR A, PS_NAMES_VW B  
WHERE A.EMPLID = B.EMPLID  
AND A.CRSE_ID = '010057'  
AND A.CRSE_OFFER_NBR = 2  
AND A.STRM = '2192'  
AND A.SESSON_CODE = '1'  
AND B.NAME_TYPE = 'PRF'  
AND B.EFFDT = (SELECT MAX(B1.EFFDT) FROM PS_NAMES_VW B1  
WHERE B.EMPLID = B1.EMPLID  
AND B.NAME_TYPE = B1.NAME_TYPE  
AND B1.EFFDT <= SYSDATE);
```

#### **Query#5: SB\_CSE572\_Q5**

List all of the classes for user prompt term using term prompt table TERM\_VAL\_TBL with following output fields - course id, course offering number, term code, term description, session, class section, subject, catalog number, class number and class description.

Hint: primary data source records – CLASS\_TBL (Class Table) & TERM\_TBL (Term Definition Table)

#### **Query#6: SB\_CSE572\_Q6**

List CSE 572 class meeting days/time and location (building & room) between prompt term range with following output fields - course id, course offering number, term, term description, session, class section, meeting start/end time, meeting days, building and room if any.

Hint: primary data source records – CLASS\_TBL (Class Table) & TERM\_TBL (Term Definition Table) & CLASS\_MTG\_PAT (Class Meeting Pattern Table) & FACILITY\_TBL (Facility Table)

#### **Query#7: SB\_CSE572\_Q7**

List the total number of degreed majors for each department under College of Natural Science.

Hint: primary data source – SB\_PLN\_DPT\_COL (Acad Plan, Dept, and College View).  
ACAD\_GROUP = '66' for College of Natural Science. ACAD\_PLAN\_TYPE = 'MAJ' for degreed major.



## APPENDIX – List of available records for above lab activities

### Query Access Manager

Effective Date 01/21/2019

Status Active

Valid Tree

Tree Name SB\_SA\_CSE572\_TREE CSE 572 Lab Activity Tree























Save As Close

Tree Definition Display Options Print Format Export to PDF

Collapse All | Expand All

Find

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-  **CLASS\_SEARCH - Class Search**   
-  CRSE\_OFFER - Course Catalog Offerings
-  SB\_ACAD\_GRP\_ORG - SB Acad Group & Org Lookup
-  ACAD\_GROUP\_TBL - Academic Group Table
-  ACAD\_ORG\_TBL - Academic Organization Table
-  SB\_PLN\_DPT\_COL - Acadplan Dept. College View
-  SB\_CLS\_IDASH\_VW - SB Class Schedule BI Data Tbl
-  SB\_CLS\_BI\_STG - SB Class Schedule BI Data Tbl
-  CRSE\_CATALOG\_VW - Course Catalog View
-  SCTN\_CMBND\_TBL - Sections Combined Table
-  SCTN\_CMBND - Sections Combined
-  FACILITY\_CHRSTC - Facility Characteristics Table
-  NAMES\_VW - Effective Dated Names Vw
-  FACILITY\_TBL - Facility Table
-  CRSE\_CATALOG - Course Catalog Data
-  TERM\_TBL - Term Definition Table
-  CLASS\_INSTR - Class Instructor Table
-  CLASS\_MTG\_PAT - Class Meeting Pattern Table
-  CLASS\_TBL - Class Table