

Problem:

Select the names and job start dates of all employees who work for the department number 5.

Solution:

**select** E.F\_NAME,E.L\_NAME, JH.START\_DATE

**from** EMPLOYEES **as** E

**INNER** **JOIN** JOB\_HISTORY **as** JH **on** E.EMP\_ID=JH.EMPL\_ID

**where** E.DEP\_ID ='5';

Problem:

Select the names, job start dates, and job titles of all employees who work for the department number 5.

Solution:

**select** E.F\_NAME,E.L\_NAME, JH.START\_DATE, J.JOB\_TITLE

**from** EMPLOYEES **as** E

**INNER** **JOIN** JOB\_HISTORY **as** JH **on** E.EMP\_ID=JH.EMPL\_ID

**INNER** **JOIN** JOBS **as** J **on** E.JOB\_ID=J.JOB\_IDENT

**where** E.DEP\_ID ='5';

Problem:

Perform a Left Outer Join on the EMPLOYEES and DEPARTMENT tables and select employee id, last name, department id and department name for all employees.

Solution:

**select** E.EMP\_ID,E.L\_NAME,E.DEP\_ID,D.DEP\_NAME

**from** EMPLOYEES **AS** E

**LEFT** **OUTER** **JOIN** DEPARTMENTS **AS** D **ON** E.DEP\_ID=D.DEPT\_ID\_DEP;

Problem:

Re-write the previous query but limit the result set to include only the rows for employees born before 1980.

Solution:

**select** E.EMP\_ID,E.L\_NAME,E.DEP\_ID,D.DEP\_NAME

**from** EMPLOYEES **AS** E

**LEFT** **OUTER** **JOIN** DEPARTMENTS **AS** D **ON** E.DEP\_ID=D.DEPT\_ID\_DEP

**WHERE** YEAR(E.B\_DATE) < 1980;

Problem:

Perform a Full Join on the EMPLOYEES and DEPARTMENT tables and select the First name, Last name and Department name of all employees.

Solution

**select** E.F\_NAME,E.L\_NAME,D.DEP\_NAME

**from** EMPLOYEES **AS** E

FULL **OUTER** **JOIN** DEPARTMENTS **AS** D **ON** E.DEP\_ID=D.DEPT\_ID\_DEP;

Problem:

Re-write the previous query but have the result set include all employee names but department id and department names only for male employees.

**select** E.F\_NAME,E.L\_NAME,D.DEPT\_ID\_DEP, D.DEP\_NAME

**from** EMPLOYEES **AS** E

FULL **OUTER** **JOIN** DEPARTMENTS **AS** D **ON** E.DEP\_ID=D.DEPT\_ID\_DEP

**WHERE** E.SEX = 'M';