**1)List the following details of employees who earn more than or equal to $40000 a year or who are clerks.**

SELECT ENAME, JOB, (SAL\*12)+nvl(COMM,0) as Annual\_Sal, e.DEPTNO, DNAME

from EMP e, DEPT d

WHERE e.DEPTNO=d.DEPTNO

AND (JOB='CLERK' OR (SAL\*12)+NVL(COMM,0)>=40000);

ENAME JOB ANNUAL\_SAL DEPTNO DNAME

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MILLER CLERK 15600 10 ACCOUNTING

KING PRESIDENT 60000 10 ACCOUNTING

SMITH CLERK 9600 20 RESEARCH

ADAMS CLERK 13200 20 RESEARCH

JAMES CLERK 11400 30 SALES

**2) Select a query that displays employee names along with dept numbers and dept names working in dept 30 or 40. For the dept with no employees, null values should be displayed for the employee names.**

SELECT E.ENAME, D.DEPTNO, D.DNAME

from DEPT D full outer join EMP E on E.DEPTNO=D.DEPTNO

where D.DEPTNO=30 or D.DEPTNO=40;

ENAME DEPTNO DNAME

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ALLEN 30 SALES

WARD 30 SALES

MARTIN 30 SALES

BLAKE 30 SALES

TURNER 30 SALES

JAMES 30 SALES

40 OPERATIONS

**3) Write a PL/SQL block that accepts the name of an employee and displays the details of the employee from emp table. If there are more than one employee with same name then exception “duplicate entries” must be displayed.**

DECLARE

VEMP EMP%ROWTYPE;

VENAME EMP.ENAME%TYPE;

BEGIN

VENAME:='&ENAME';

SELECT \* INTO VEMP FROM EMP WHERE ENAME=VENAME;

DBMS\_OUTPUT.PUT\_LINE(VEMP.EMPNO||' '||VEMP.ENAME||' '||VEMP.SAL||' '||VEMP.JOB||' '||VEMP.DEPTNO||' '||VEMP.MGR||' '||VEMP.HIREDATE);

EXCEPTION

WHEN TOO\_MANY\_ROWS THEN

DBMS\_OUTPUT.PUT\_LINE('DUPLICATE ENTRIES');

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('WRONG NAME');

END;

OUTPUT

Enter value for ename: SMITH

old 5: VENAME:='&ENAME';

new 5: VENAME:='SMITH';

DUPLICATE ENTRIES

Enter value for ename: ALLEN

old 5: VENAME:='&ENAME';

new 5: VENAME:='ALLEN';

7499 ALLEN 1600 smith 30 7698 20-FEB-81

**4) Write a PL/SQL program to raise an unnamed user defined exception when the input department number is negative and print “deptno can not be negative” otherwise show all the employee names working in the given department.**

DECLARE

VDEPTNO EMP.DEPTNO%TYPE;

E EXCEPTION;

BEGIN

VDEPTNO:='&DEPTNO';

IF VDEPTNO<0 THEN

RAISE E;

END IF;

FOR I IN (SELECT \* FROM EMP WHERE DEPTNO=VDEPTNO)

LOOP

DBMS\_OUTPUT.PUT\_LINE(I.ENAME);

END LOOP;

EXCEPTION

WHEN E THEN

DBMS\_OUTPUT.PUT\_LINE('DEPT NUMBER CANNOT BE NEGATIVE');

END;

OUTPUT:

Enter value for deptno: -2

old 5: VDEPTNO:='&DEPTNO';

new 5: VDEPTNO:='-2';

DEPT NUMBER CANNOT BE NEGATIVE

Enter value for deptno: 30

old 5: VDEPTNO:='&DEPTNO';

new 5: VDEPTNO:='30';

ALLEN

WARD

MARTIN

BLAKE

TURNER

JAMES