(f)   Display the name of the dept that has no employee.

F)SELECT DNAME FROM DEPT
        WHERE DEPTNO= ANY   (SELECT DEPTNO
                FROM DEPT
                   MINUS
                        SELECT DEPTNO
                            FROM EMP)

Assignment No: -05

(a) **List the employees belonging to the department 20.**
a) SELECT ENAME FROM EMP WHERE DEPTNO=20

b)   List the name and salary of the employees whose salary is more than 1000.

b) SELECT ENAME,SAL FROM EMP WHERE SAL>1000

c)   List the employee number and the name of the manager.

c) SELECT ENAME,EMPNO FROM EMP
        WHERE JOB='MANAGER'

d) List the names of the clerks working in the department 20.

d) SELECT JOB FROM EMP
        WHERE DEPTNO=20

e)   List the name of the analysts and salesman.

e) SELECT ENAME,JOB FROM EMP
            WHERE JOB IN ('SALESMAN','ANALYST')

f) List the details of the employees who have joined before the end of September 81.

f)SELECT * FROM EMP
       WHERE TO_DATE(HIREDATE ,'DD-MM-YY')
           < '30-SEP-81'

(g) List the names of the employees who are not managers.

g) SELECT ENAME FROM EMP WHERE JOB NOT LIKE 'MANAGER'

h) List the name of the employees whose employee numbers 7369,7521,7839,7934,7788.

h) SELECT ENAME,EMPNO
      FROM EMP
         WHERE EMPNO IN (7369,7521,7839,7934,7788)

i) List the employee details not belonging to the department 10,30 and 40.

i) SELECT *FROM EMP WHERE DEPTNO NOT IN (10,30,40)

j) List the employee names who have joined before 30th June'81 and after December '81.

j) SELECT ENAME

     FROM EMP
       WHERE TO_DATE(HIREDATE,'DD-MM-YY')<'30-JAN-81' OR
     TO_DATE(HIREDATE,'DD-MM-YY')>'31-DEC-81'

k) List the name of the employee and designation (job) of the employee who does not report to anybody (who doesn't have manager).

k) SELECT ENAME,JOB FROM EMP WHERE MGR IS NULL

l)   List the different jobs (designations) available in the emp table.

l)   SELECT DISTINCT JOB FROM EMP

m)   List the employees not assigned to any department.

M) SELECT ENAME FROM EMP WHERE DEPTNO IS NULL

n) List the details of the employees whose salary is greater than 2000 and not eligible for commission.

N) SELECT * FROM EMP WHERE SAL>2000 AND COMM IS NULL

o) List the employee names having 'I' as the second character.

O) SELECT ENAME FROM EMP WHERE ENAME LIKE '_I%'

p) List the name, salary and PF amount of all the employees (PF is calculated as 10% of salary).

P) SELECT ENAME,0.1*SAL "PF"
        FROM EMP

q) List the employee number, name and salary in ascending order of salary.

Q) SELECT ENAME,EMPNO,SAL
     FROM EMP
        ORDER BY SAL

r) Lists the employee name and hiredate in descending order of hiredate.

R) SELECT ENAME,HIREDATE

```
        FROM EMP
            ORDER BY HIREDATE DESC
```

s) List the employee name, salary, PF, HRA, DA and gross salary;order the result in ascending order of gross.HRA is 50% of salary and DA is 30% of salary.

```
S)  SELECT ENAME,SAL,0.1*SAL "PF",0.5*SAL "HRA",0.3*SAL "DA",SAL+
    0.1*SAL+0.5*SAL+0.3*SAL "GROSS"
        FROM EMP
            ORDER BY JOB
```

t) List the department number and the total salary payable in each department. List the jobs and number of employees in each job.The result should be in descending order of the number of employees.

```
T)  SELECT DEPTNO,SUM(SAL) "TOTAL SAL"
        FROM EMP
            GROUP BY DEPTNO


SELECT JOB,COUNT(*) "EMPNO"
    FROM EMP
        GROUP BY JOB
            ORDER BY COUNT(*) DESC
```

u) List the total salary, maximum, minimum and average salary of the employee's job wise.

```
U) SELECT JOB,SUM(SAL) "TOTAL SAL", MAX(SAL) "MAX", MIN(SAL)
    "MIN",AVG(SAL) "AVERAGE"
        FROM EMP
            GROUP BY JOB
```

v) List the average salary from each job excluding manager.

```
V) SELECT AVG(SAL) "AVERAGE", JOB FROM EMP
        GROUP BY JOB
            HAVING JOB NOT LIKE 'MANAGER'
```

w) List the average monthly salary for each job type within department.

```
W)    SELECT AVG(SAL) "MONTHLY", JOB, DEPTNO
         FROM EMP
             GROUP BY DEPTNO,JOB
```

x) List average salary for all departments employing more than five people.
```
X) SELECT  DEPTNO, COUNT(*) "NO OF EMP" , AVG(SAL) "AVERAGE"
        FROM EMP
             GROUP BY DEPTNO
                  HAVING COUNT(*)>5
```

Y) List job of all the employees where maximum salary is greater than or equal to 3000.

```
Y)  SQL> SELECT JOB FROM EMP
              GROUP BY JOB
                  HAVING MAX(SAL)>=3000;
```

Z) List the total salary, maximum and minimum salary and the average salary of employees job wise for department number 20 and display only those rows having average salary greater than 1000.

```
z)  SELECT JOB,SUM(SAL) "TOTAL SAL", MAX(SAL) "MAX", MIN(SAL)
          "MIN", AVG(SAL) "AVERAGE"
          FROM EMP
             WHERE deptno=20 and
                 GROUP BY JOB
                     HAVING AVG(SAL)>1000
```

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Assignment No: -6
  (a) List the employees earns more than any employee in CHICAGO.