ASSIGNMENT - 9.

① WAQTD deptno, no. of employees working in each dept if there are 2 clerks in each dept.

SELECT DEPTNO, COUNT(*), FROM EMP WHERE JOB = `CLERK´

GROUP BY DEPTNO

HAVING COUNT(*) >= 2;

② WAQTD Dept no, total Salary needed to pay all emp in each dept if there are atleast

4 emp in each dept.

SELECT DEPTNO, SUM(SAL) FROM EMP

GROUP BY DEPTNO

HAVING COUNT(*) >= 4;

| DEPNO | SUM(SA) |
|-------|---------|
| 20    | 15,000  |
| 30    | 11,600  |

③ WACTD no. of emp earning Sal more than 1200 in each Job, and the total Sal needed to pay emp of each job must exceed 3800.

```
SELECT COUNT(*), JOB FROM EMP WHERE SAL > 1200
GROUP BY JOB
HAVING SUM(SAL) > 3800;
```

| COUNT(*) | JOB |
|----------|-----|
| 3 | CLERK |
| 2 | ANALYST |
| 4 | SALESMAN |
| 1 | PRESIDENT |
| 3 | MANAGER |

④ WACTD deptno and number of emp working only If there are 2 emp working in each department as Manager.

```
SELECT DEPTNO, COUNT(*) FROM EMP WHERE JOB = 'MANAGER'
GROUP BY DEPTNO
HAVING COUNT(*) = 2;
```

(5) WAOTD Job and max Sal of emp in each job ~~If~~ ~~because~~ ~~once~~ the max Sal. Exceeds 2600.

```
SELECT JOB , MAX (SAL) FROM EMP
GROUP BY JOB
HAVING MAX (SAL) > 2600;
```

(6) WAOTO the Salaries which are repeated in emp table.

```
SELECT SAL FROM EMP
GROUP BY SAL
HAVING COUNT (1) > 1;
```

(7) WAOTD the Hiredate which are duplicated in emp table

```
SELECT HIREDATE FROM EMP
GROUP BY HIREDATE
HAVING COUNT (*) > 1;
```

(8) WAQTD Avg Salary of each dept if Avg Sal is less than 3000.

    SELECT   AVG(SAL), DEPTNO  FROM  EMP
    GROUP BY   DEPTNO
    HAVING   AVG(SAL) < 3000;


(9) WAQTD deptno if there are atleast 3 emp in each dept whos name has

Char 'A' or 'S'.

| DEPTNO | COUNT(*)>3 |
|--------|-----------|
| 30     | 5         |

    SELECT   DEPTNO   FROM  EMP
    WHERE  (ENAME LIKE '%A%' OR ENAME LIKE '%S%')
    GROUP BY DEPTNO   HAVING COUNT(*) >= 3;

(10) WAQTD MIN and MAX salaries of each job if min Sal is more than 1000 and

max Sal is less than 5000.

    SELECT MIN(SAL), MAX(SAL), JOB  FROM  EMP
    GROUP BY JOB
    HAVING MIN(SAL) >1000 AND MAX(SAL) < 5000;

| MINCSAL | MAX CSAL | JOB |
|---------|----------|-----|
| 3000    | 3000     | CLERK |
| 3000    | 3000     | MANAGER |
| 1250    | 1600     | SALESMAN |
| 3000    | 3000     | ANALYST |