

ASSIGNMENT 15

ASSIGNMENT ON ESCAPE CHARACTER :-

① **WAPD** Ename who having % as 3rd character from the last.

SELECT ENAME FROM EMP WHERE ENAME LIKE '% @% --' ESCAPE '@';

② **WAPD** Ename who are having character 'A' in their name.

SELECT ENAME FROM EMP WHERE ENAME LIKE '%. A -%';

③ **WAPD** Ename who are having .% in their name.

SELECT ENAME FROM EMP WHERE ENAME LIKE '%. @%. @%' ESCAPE '@';

④ **WAPD** Ename who are having % as a second character and - as a 4th character.

SELECT ENAME FROM EMP WHERE ENAME LIKE
' _ @%. @ - %' ESCAPE '@';

⑤ **WAPD** Ename who are having 2%. in their name.

SELECT ENAME FROM EMP WHERE ENAME LIKE '% @%. @%. @%. @%' ESCAPE '@';

Q6) What names who are having '2' in their name.

```
SELECT ENAME FROM EMP WHERE ENAME LIKE '%@_2@_%' ESCAPE '@';
```

Questions from all topics:-

Q1) What names of all the employees who works in dept 20 and earning Commission.

```
SELECT ENAME FROM EMP WHERE DEPTNO = 20 AND COMM IS NOT NULL;
```

Q2) What Ename whose name starts with 'A' and ends with 'S'.

```
SELECT ENAME FROM EMP WHERE ENAME LIKE 'A%oS';
```

Q3) What names that has an underscore ('_') present in the name.

```
SELECT ENAME FROM EMP WHERE ENAME LIKE '%@-%' ESCAPE '@';
```

Q4) What the Salaries that are repeated in employee table excluding salaries of dept 10.

```
SELECT SAL FROM EMP WHERE DEPTNO != 10 GROUP BY SAL  
HAVING COUNT(*) > 1;
```

5) COUNT no. of employees working as Clerk in dept 10 or 20 with a salary more than 1000 but less than 4000.

SELECT COUNT(*) FROM EMP WHERE JOB = 'CLERK' AND DEPTNO ~~NOT~~ IN (10, 20)
AND SAL BETWEEN 1001 AND 3999;

6) COUNT details of employee hired in the month of September

SELECT * FROM EMP WHERE HIREDATE LIKE '%SEP%';

7) COUNT details of employee working as manager or salesman in dept 10 or 30 and hired during the year 82.

SELECT * FROM EMP WHERE JOB IN ('MANAGER', 'SALESMAN') AND DEPTNO IN (10, 30)
AND HIREDATE BETWEEN '01-JAN-82' AND '31-DEC-82';

8.) COUNT Deptno , Sal if an employee works in the same dept with same salary .

SELECT DEPTNO, SAL FROM EMP
GROUP BY DEPTNO, SAL;

a) What's job and maximum salary given to each job.

```
SELECT JOB, MAX(SAL) FROM EMP WITH  
GROUP BY JOB;
```

b) What's all the details of employee except the employees whose name starts with (A, S, J)

```
SELECT * FROM EMP WHERE ENAME NOT LIKE 'A-%' AND ENAME NOT LIKE 'S-%'  
AND ENAME NOT LIKE 'J-%';
```

c) What's average salary given to all the employees in each dept.

```
SELECT AVG(SAL), DEPTNO  
FROM EMP  
GROUP BY DEPTNO;
```

d) Name and sal given to employee only if they earn commission.

```
SELECT ENAME, SAL FROM EMP WHERE COMM IS NOT NULL;
```

e) What's no. of employees earning sal less than 3000 in each job and total sal

f) no. of employees earning sal less than 3000 in each job and total sal

needed to pay emp of each job must exceed 4500.

```
SELECT COUNT(*), SUM(SAL), JOB FROM EMP  
GROUP BY JOB  
HAVING SAL < 3000 AND SUM(SAL) > 4500;
```

(4) What Deptno and no of employees working only if there are atleast 3 emp working in each department as Clerks

```
SELECT DEPTNO , COUNT(?) FROM EMP WHERE JOB = 'CLERK' GROUP BY DEPTNO  
HAVING COUNT(?) >= 3;
```

(5) What employee names that are repeated exactly 3 times in emp table.

```
SELECT ENAME FROM EMP GROUP BY ENAME HAVING COUNT(?) = 3 ;
```

(6) What Dname of employees earning 2nd maximum salary.

```
SELECT DNAME FROM DEPT WHERE DEPTNO IN (SELECT DEPTNO FROM EMP WHERE  
SELECT MAX(SAL) FROM EMP WHERE SAL < (SELECT &MAX(SAL) FROM EMP));
```

(7) What no of employees earning more than Salesman but less than president.

```
SELECT COUNT(?) FROM EMP WHERE SAL > ALL (SELECT SAL FROM EMP  
WHERE JOB = 'SALESMAN') AND SAL < ALL (SELECT SAL FROM EMP WHERE  
JOB = 'PRESIDENT');
```

⑧ What Miller's manager name.

SELECT ENAME FROM EMP WHERE EMPNO = (SELECT MGR FROM EMP
WHERE ENAME = 'MILLER');

⑨ What loc in which Adams manager works.

SELECT Loc FROM DEPT WHERE DEPTNO = (SELECT DEPTNO FROM
EMP WHERE EMPNO = (SELECT MGR FROM EMP WHERE ENAME = 'Adams'));
~~SELECT~~

⑩ What maximum salary given to an employee working in same designation as
Scott and hired before James and working in location New York.

SELECT MAX(SAL) FROM EMP WHERE JOB = (SELECT JOB FROM EMP WHERE
ENAME = 'SCOTT') AND HIREDATE < (SELECT HIREDATE FROM EMP WHERE
ENAME = 'JAMES') AND DEPTNO = (SELECT DEPTNO FROM DEPT
WHERE LOC = 'NEW YORK');

21) WACTD Employee who is having second maximum salary.

SELECT ENAME FROM EMP WHERE SAL = (SELECT MAX(SAL) FROM EMP WHERE SAL < (SELECT MAX(SAL) FROM EMP));

22) WACTD Employee whose name starts with '-' and ends with '-'

SELECT ENAME FROM EMP WHERE ENAME LIKE '@%-%@' ESCAPE '@';

23) WACTD number of employees reporting to Allen.

SELECT COUNT(*) FROM EMP WHERE MGR = (SELECT EMPNO FROM EMP WHERE ENAME = 'ALLEN');

24) WACTD Name of Smith manager.

SELECT DNAME FROM DEPT WHERE DEPTNO = (SELECT DEPTNO FROM EMP WHERE EMPNO = (SELECT MGR FROM EMP WHERE ENAME = 'SMITH'));