**USE FUNCTIONS ONLY**

1. List employees whose name having 4 characters

A:

SELECT ENAME

FROM EMP

WHERE ENAME LIKE '\_\_\_\_';

1. List employees whose job is having 7 characters

A:

SELECT ENAME

FROM EMP

WHERE LENGTH (JOB) IN 7;

3. Find out how many times letter 'S' occurs in 'qspiders'

A:

SELECT LENGTH (' qspiders ')- LENGTH (REPLACE(' qspiders ','S'))

FROM DUAL;

4. List the employees whose job is having last 3 characters as 'man'

A:

SELECT ENAME

FROM EMP

WHERE (SUBSTR (JOB,-3,3)) IN 'MAN' ;

5. List employees whose job is having first 3 characters as 'man'.

A:

SELECT ENAME FROM EMP

WHERE SUBSTR (JOB, 1, 3) IN 'MAN';

6. Display all the names whose name is having exactly 1 'L'

A:

SELECT ENAME

FROM EMP

WHERE LENGTH (ENAME)-LENGTH (REPLACE (ENAME,'L')) IN 1;

7. Display dept names which are having letter 'O'

A:

SELECT DNAME

FROM DEPT

WHERE DNAME LIKE '%O%';

8. Display the output as shown below,  
   Scott working as a clerk earns 3000 in dept 20

9. Calculate number of L in string 'HELLLLL'

A:

SELECT LENGTH ('HELLLLL') –LENGTH (REPLACE('HELLLLL','L'))

FROM DUAL;

10. Display all the employees whose job has a string 'MAN'

A:

SELECT ENAME

FROM EMP

WHERE JOB LIKE '%MAN%'

11. Display all the employees whose job starts with string 'MAN'

A:

SELECT ENAME

FROM EMP

WHERE SUBSTR (JOB,1,3) IN 'MAN';

12. Display all the employees whose job ends with string 'MAN'

A:

SELECT ENAME

FROM EMP

WHERE SUBSTR (JOB,-3, 3) IN 'MAN';

13. Display first 3 characters of ename in lower case and rest everything in upper case.

A:

SELECT REPLACE (ENAME, (SUBSTR (ENAME,1,3)), LOWER(SUBSTR(ENAME,1,3)))

FROM EMP;

If ename is 'QSPIDERS' then display  this as ‘qspIDERS’

A:

SELECT REPLACE ('QSPIDERS', (SUBSTR ('QSPIDERS',1,3)), LOWER(SUBSTR('QSPIDERS',1,3)))

FROM EMP;

14. Display the result from emp table as below.

SMITH is a CLERK and gets salary 2000

Here SMITH is ename column, CLERK is JOB and 2000 is SAL column and rest everything is literal strings.

15. list the employees hired on a Wednesday

A:

SELECT ENAME

FROM EMP

WHERE TO\_CHAR (HIREDATE,'DAY') IN 'WEDNESDAY';

16. list the employees hired on a leap year

A:

SELECT ENAME

FROM EMP

WHERE MOD (TO\_CHAR (HIREDATE,'YYYY'), 400) =0

OR (MOD (TO\_CHAR (HIREDATE,'YYYY'), 4)=0

AND (MOD (TO\_CHAR(HIREDATE,'YYYY'),100) NOT IN 0 ))

17.list the employees hired on a Sunday in the month of may

A:

SELECT ENAME

FROM EMP

WHERE TO\_CHAR (HIREDATE,'DAY') IN 'SUNDAY'

AND TO\_CHAR (HIREDATE,'MONTH') IN 'MAY';