1.Select employee details of dept number 10 or 30

Query:-

SELECT * FROM EMP

WHERE DEPTNO =10 OR DEPTNO = 30;

Output:-

2. Write a query to fetch all the dept details with more than 1 Employee.

Query:-

SELECT DEPTNO,DNAME FROM DEPT1

WHERE DEPTNO IN(SELECT DEPTNO

FROM EMP

GROUP BY DEPTNO

HAVING COUNT(*)>1);

Output:-

3. Write a query to fetch employee details whose name starts with the letter "S".

Query:-

SELECT *

FROM EMP

WHERE ENAME LIKE 'S%';

OUTPUT:-

```
50
51 •    SELECT *
52      FROM EMP
53      WHERE ENAME LIKE 'S%';
54
```

EMPNO	ENAME	SAL	HIRE_DATE	COMMISSION	DEPTNO	MGR
▶ 1001	SACHIN	19000.00	1980-01-01	2100.00	20	1003
1003	STEFEN	12000.00	1990-01-01	500.00	20	1007
* NULL	NULL	NULL	NULL	NULL	NULL	NULL

4. Fetch Dept Name , Total Salry of the Dept.

Query:-

SELECT D.DNAME,SUM(E.SAL)

FROM DEPT1 D

JOIN EMP E ON D.DEPTNO=E.DEPTNO

GROUP BY D.DNAME;

Output:-

```
49
50 •    SELECT D.DNAME,SUM(E.SAL)
51      FROM DEPT1 D
52      JOIN EMP E ON D.DEPTNO=E.DEPTNO
53      GROUP BY D.DNAME;
54
```

DNAME	SUM(E.SAL)
▶ IT	31000.00
ACCOUNTS	34000.00
PRODUCTION	14000.00

5. Write a query to fetch ALL the employee details along with department name,department location, irrespective of employee existance in the department.

Query:-

SELECT *,D.DNAME,D.LOC

FROM EMP E LEFT JOIN DEPT1 D ON E.DEPTNO=D.DEPTNO;

Output:-

```
55 ●   SELECT *,D.DNAME,D.LOC
56     FROM EMP E LEFT JOIN DEPT D ON E.DEPTNO=D.DEPTNO;
57
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

EMPNO	ENAME	SAL	HIRE_DATE	COMMISSION	DEPTNO	MGR	DEPTNO	DNAME	LOC	DNAME	LOC
1001	SACHIN	19000.00	1980-01-01	2100.00	20	1003	20	IT	DELHI	IT	DELHI
1002	KAPIL	15000.00	1970-01-01	2300.00	10	1003	10	ACCOUNTS	BANGALORE	ACCOUNTS	BANGALOR
1003	STEFEN	12000.00	1990-01-01	500.00	20	1007	20	IT	DELHI	IT	DELHI
1004	WILLIAMS	9000.00	2001-01-01	NULL	30	1007	30	PRODUCTION	CHENNAI	PRODUCTION	CHENNAI
1005	JOHN	5000.00	2005-01-01	NULL	30	1006	30	PRODUCTION	CHENNAI	PRODUCTION	CHENNAI
1006	DRAVID	19000.00	1985-01-01	2400.00	10	1007	10	ACCOUNTS	BANGALORE	ACCOUNTS	BANGALOR
1007	MARTIN	21000.00	2000-01-01	1040.00	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result 6 ✕

6. Write an update statement to increase the employee salary by 10 %

Query:-

UPDATE EMP

SET SAL=SAL+(SAL * 10/100);

Output:-

```
71
72 ●   UPDATE EMP
73     SET SAL=SAL+(SAL * 10/100);
74
```

Output

Action Output ▾

#	Time	Action		Message
●	1	21:13:32	UPDATE EMP SET SAL=SAL+(SAL * 10/100)	7 row(s) affected Rows matched: 7 Changed: 7 W

7. Write a statement to delete employees belong to Chennai location.

Query:-

DELETE FROM EMP

WHERE DEPTNO IN (SELECT DEPTNO

FROM DEPT1

WHERE LOC='CHENNAI');

Output:-

```
67
68 •    DELETE FROM EMP
69   ⊖ WHERE  DEPTNO IN (SELECT DEPTNO |
70     FROM DEPT1
71     ─ WHERE LOC='CHENNAI');
72
73
74
```

Output

Action Output   ▼

#	Time	Action	Message
✓	1 21:15:49	DELETE FROM EMP WHERE DEPTNO IN (SELECT DEPTNO FROM DEPT1 WHERE LO...	2 row(s) affected

8. Get Employee Name and gross salary (sal + comission).

Query:-

SELECT ENAME,(SAL+COMMISSION)

FROM EMP;

Output:-

```
73 •    SELECT ENAME,(SAL+COMMISSION)
74     FROM EMP;
75
76
77
78
```

Result Grid | 🔢 | ↻ Filter Rows: [   ] | Export: 🖫 | Wrap Cell Content: 🅐

ENAME	(SAL+COMMISSION)
► SACHIN	25090.00
KAPIL	20450.00
STEFEN	15020.00
DRAVID	25390.00
MARTIN	26450.00

Result 10 ×

9. Increase the data length of the column Ename of Emp table from 100 to 250 using ALTER statement.

Query:-

ALTER TABLE EMP

MODIFY ENAME VARCHAR(250);

Output:-

```
75
76 ●    ALTER TABLE EMP
77      MODIFY ENAME  VARCHAR(250);
78
```

Output

☐ Action Output   ▼

#	Time	Action	Message
✔	1 21:24:33	ALTER TABLE EMP MODIFY ENAME VARCHAR(250)	0 row(s) affected Records: 0 Duplicates: 0 W

10. Write query to get current datetime.

Query:-

SELECT CURRENT_TIMESTAMP AS 'CURRENTTIMESTAMP';

Output:-

```
78
79 ●    SELECT CURRENT_TIMESTAMP AS 'CURRENTTIMESTAMP';
```

Result Grid | ☐ ⟲ Filter Rows: [   ] | Export: ☐ | Wrap Cell Content: ⫟A

CURRENTTIMESTAMP
▶ 2024-02-15 21:31:38

11.Write a statement to create STUDENT table, with related 5 columns.

Query:-

CREATE TABLE STUDENT

(

SID INT NOT NULL PRIMARY KEY,

FIRST_NAME VARCHAR(50) NOT NULL,

LAST_NAME VARCHAR(50) NOT NULL,

AGE INT,

GRADE VARCHAR(10) NOT NULL

);

Output:-

```
60
61 •    CREATE TABLE STUDENT
62  ⊖  (
63       SID INT  NOT NULL PRIMARY KEY,|
64       FIRST_NAME VARCHAR(50) NOT NULL,
65       LAST_NAME VARCHAR(50) NOT NULL,
66       AGE INT,
67       GRADE VARCHAR(10) NOT NULL
68     );
69
```

Output

Action Output   ▼

#	Time	Action	Message
✓	1 21:38:37	CREATE TABLE STUDENT (SID INT NOT NULL PRIMARY KEY, FIRST_NAME VARCHAR(...	0 row(s) affected

12. Write a query to fetch number of employees in who is getting salary more than 10000.

Query:-

SELECT COUNT(*)

FROM EMP

WHERE SAL> 10000;

Output:-

```
91
92 •    SELECT COUNT(*)
93       FROM EMP
94       WHERE SAL> 10000;|
95
```

| Result Grid | 🔢 | Filter Rows: | | Export: | Wrap Cell Content: 🗛 |

COUNT(*)
▶ 5

Result 13 ✕

Output

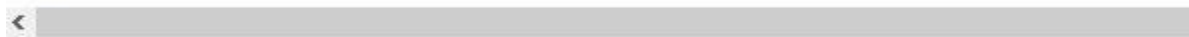## 13. Write a query to fetch minimum salary, maximum salary and average salary from emp table.

Query:-

SELECT MIN(SAL),MAX(SAL),AVG(SAL)

 FROM EMP;

Output:-

```
96  •     SELECT MIN(SAL),MAX(SAL),AVG(SAL)
97        FROM EMP;
98
99
```

MIN(SAL)	MAX(SAL)	AVG(SAL)
5000.00	21000.00	14285.714286

14. Write a query to display emplyee names in descending order.

Query:-

SELECT ENAME

FROM EMP

ORDER BY ENAME DESC;

Output:-

```
104 •     SELECT ENAME
105       FROM EMP
106       ORDER BY ENAME DESC;
107
```

ENAME
WILLIAMS
STEFEN
SACHIN
MARTIN
KAPIL
JOHN
DRAVID

EMP 19 ✕

15. Write a statement to create a new table(EMP_BKP) from the existing EMP table.

Query:-

CREATE TABLE EMP_BKP1

AS SELECT * FROM EMP;

Output:-

```
107
108 ●    CREATE  TABLE EMP_BKP1
109      AS SELECT * FROM EMP;
110
111
112
113
114
115
```

Output

Action Output ▾

#	Time	Action	Message
● 1	22:26:57	CREATE TABLE EMP_BKP1 AS SELECT * FROM EMP	7 row(s) affected Records: 7 Duplicates: 0 War

16. **Write a query to fetch first 3 characters from employee name appended with salary.**

Query:-

SELECT CONCAT(SUBSTRING(ENAME,1,3),SAL)

FROM EMP;

Output:-

```
111 ●    SELECT CONCAT(SUBSTRING(ENAME,1,3),SAL)
112      FROM EMP;
113
114
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 𝐈𝐀

CONCAT(SUBSTRING(ENAME,1,3),SAL)
▶ SAC19000.00
KAP15000.00
STE12000.00
WIL9000.00
JOH5000.00
DRA19000.00
MAR21000.00

Result 20 ✕

Output

Action Output ▾

#	Time	Action	Message
● 1	22:29:35	SELECT CONCAT(SUBSTRING(ENAME,1,3),SAL) FROM EMP LIMIT 0, 2000	7 row(s) returned

17. Write a query to fetch number of employees in each location.

Query:-

SELECT COUNT(*),D.LOC

FROM EMP E

JOIN DEPT1 D ON E.DEPTNO=D.DEPTNO

GROUP BY D.LOC;

Output:-

```
121
122 •    SELECT COUNT(*),D.LOC
123       FROM EMP E
124       JOIN DEPT1 D ON E.DEPTNO=D.DEPTNO
125       GROUP BY D.LOC;
12C
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 𝐀

COUNT(*)	LOC
2	DELHI
2	BANGALORE

18. Select Emp Details Whose experience is more than 2 years.

Query:-

SELECT *

 FROM EMP

 WHERE DATEDIFF(CURDATE(),HIRE_DATE)>365*2;

Output:-

```
73 •    SELECT *
74       FROM EMP
75       WHERE DATEDIFF(CURDATE(),HIRE_DATE)>365*2;
76
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: 𝐀

EMPNO	ENAME	SAL	HIRE_DATE	COMMISSION	DEPTNO	MGR
1003	STEFEN	12000.00	1990-01-01	500.00	20	1007
1004	WILLI#MS	9000.00	2001-01-01	NULL	30	1007
1005	JOHN	5000.00	2005-01-01	NULL	30	1006
1006	DR#VID	19000.00	1985-01-01	2400.00	10	1007
1007	M#RTIN	21000.00	2000-01-01	1040.00	NULL	NULL

EMP 7 x

19. Write a SELECT statement to replace the char "a" with "#" in Employee Name (Ex: Sachin as S#chin)

Query:-

UPDATE EMP

 SET ENAME=REPLACE(ENAME,'A','#');

Output:-

```
70 •    UPDATE EMP
71      SET ENAME=REPLACE(ENAME,'A','#');
```

#	Time	Action	Message	Duration / Fetch
✓	1 02:01:06	UPDATE EMP SET ENAME=REPLACE(ENAME,'A','#')	0 row(s) affected Rows matched: 7 Changed: 0 Warnings: 0	0.000 sec

20. Write a query to fetch employee name and his/her manager name.

Query:-

SELECT E1.ENAME,E2.ENAME AS MGR

 FROM EMP E1 JOIN EMP E2 ON E1.EMPNO = E2.MGR;

Output:-

```
81 •    SELECT E1.ENAME,E2.ENAME AS MGR
82      FROM EMP E1 JOIN EMP E2 ON E1.EMPNO = E2.MGR;
```

ENAME	MGR
STEFEN	S#CHIN
STEFEN	K#PIL
M#RTIN	STEFEN
M#RTIN	WILLI#MS
DR#VID	JOHN

Result 9 ×