



**AMITY SCHOOL OF ENGINEERING TECHNOLOGY**  
**DATABASE MANAGEMENT SYSTEM**  
**PRACTICAL FILE**

**NAME** →  
**COURSE & SECTION** →  
**ENROLLMENT NO.** →

**Submitted To: -**

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## SQL COMMANDS

- 1 To create table EMP.
2. To Insert values in table EMP.

Output:-

```
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 5.1.33-community MySQL Community Server (GPL)

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> create database company;
Query OK, 1 row affected (0.00 sec)

mysql> create table emp(EMPNO int, ENAME char(20), SAL int , DEPTNO int);
ERROR 1046 (3D000): No database selected
mysql> create table EMP (EMPNO int, ENAME char(20), SAL int , DEPTNO int);
ERROR 1046 (3D000): No database selected
mysql> USE COMPANY;
Database changed
mysql> create table EMP (EMPNO int, ENAME char(20), SAL int , DEPTNO int);
Query OK, 0 rows affected (0.06 sec)

mysql> INSERT INTO EMP VALUES(11,'JOHN',8500,10);
Query OK, 1 row affected (0.06 sec)

mysql> INSERT INTO EMP VALUES(12,'NRG',8500,20);
Query OK, 1 row affected (0.13 sec)

mysql> INSERT INTO EMP VALUES(13,'TIA',15000,30);
Query OK, 1 row affected (0.06 sec)

mysql> INSERT INTO EMP VALUES(14,'RUHI',16725,10);
Query OK, 1 row affected (0.05 sec)

mysql> INSERT INTO EMP VALUES(15,'KSHVI',20045,30);
Query OK, 1 row affected (0.06 sec)

mysql> INSERT INTO EMP VALUES(16,'RIDHMIMA',40052,20);
Query OK, 1 row affected (0.05 sec)

mysql> INSERT INTO EMP VALUES(17,'ARMAN',6000,30);
Query OK, 1 row affected (0.05 sec)

mysql> INSERT INTO EMP VALUES(18,'ISHAN',8000,10);
Query OK, 1 row affected (0.03 sec)

mysql> SELECT * FROM EMP;
+-----+-----+-----+-----+
| EMPNO | ENAME  | SAL   | DEPTNO |
+-----+-----+-----+-----+
| 11    | JOHN   | 8500  | 10     |
| 12    | NRG    | 8500  | 20     |
```

- 3.To display table EMP.
4. To insert more values in table EMP.
5. To show table EMP.

Output: -

```
mysql> INSERT INTO EMP VALUES(18,'ISHAN',8000,10);
Query OK, 1 row affected (0.03 sec)
```

```
mysql> SELECT * FROM EMP;
```

EMPNO	ENAME	SAL	DEPTNO
11	JOHN	8500	10
12	NRG	8500	20
13	TIA	15000	30
14	RUHI	16725	10
15	KSHVI	20045	30
16	RIDHMIMA	40052	20
17	ARMAN	6000	30
18	ISHAN	8000	10

```
1 rows in set (0.00 sec)
```

```
mysql> INSERT INTO EMP VALUES(19,'SPARSH',9000,20);
Query OK, 1 row affected (0.05 sec)
```

```
mysql> INSERT INTO EMP VALUES(20,'MANIKA',4000,20);
Query OK, 1 row affected (0.05 sec)
```

```
mysql> INSERT INTO EMP VALUES(21,'GAURANG',1200,30);
Query OK, 1 row affected (0.05 sec)
```

```
mysql> INSERT INTO EMP VALUES(22,'SUBHASH',1500,10);
Query OK, 1 row affected (0.05 sec)
```

```
mysql> SELECT * FROM EMP;
```

EMPNO	ENAME	SAL	DEPTNO
11	JOHN	8500	10
12	NRG	8500	20
13	TIA	15000	30
14	RUHI	16725	10
15	KSHVI	20045	30
16	RIDHMIMA	40052	20
17	ARMAN	6000	30
18	ISHAN	8000	10
19	SPARSH	9000	20
20	MANIKA	4000	20
21	GAURANG	1200	30
22	SUBHASH	1500	10

```
12 rows in set (0.00 sec)
```

- 6.To select maximum salary from table EMP.
- 7.To select minimum salary from table EMP.
- 8.To calculate sum of salary from table EMP.

Output: -

```
mysql> SELECT * FROM EMP;
```

EMPNO	ENAME	SAL	DEPTNO
11	JOHN	8500	10
12	NRG	8500	20
13	TIA	15000	30
14	RUHI	16725	10
15	KSHVI	20045	30
16	RIDHMIMA	40052	20
17	ARMAN	6000	30
18	ISHAN	8000	10
19	SPARSH	9000	20
20	MANIKA	4000	20
21	GAURANG	1200	30
22	SUBHASH	1500	10

```
12 rows in set (0.00 sec)
```

```
mysql> SELECT MAX (SAL) FROM EMP;
ERROR 1305 (42000): FUNCTION company.MAX does not exist
mysql> SELECT MAX(SAL) FROM EMP;
```

```

+-----+
| MAX(SAL) |
+-----+
|      40052 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT MIN(SAL) FROM EMP;
```

```

+-----+
| MIN(SAL) |
+-----+
|       1200 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT SUM(SAL) FROM EMP;
```

```

+-----+
| SUM(SAL) |
+-----+
|    138522 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT COUNT(*) FROM EMP;
```

```

+-----+
| COUNT(*) |
+-----+

```

9. To display the salary of employees in alphabetical order whose salary is greater than 5000.
10. To display the list of employee's salary in descending order of EMPNO.
11. To list employees whose name begins with letter 'A'.

Output: -

```
mysql> SELECT * FROM EMP WHERE SAL>5000 ORDER BY ENAME ;
```

EMPNO	ENAME	SAL	DEPTNO
17	ARMAN	6000	30
18	ISHAN	8000	10
11	JOHN	8500	10
15	KSHVI	20045	30
12	NRG	8500	20
16	RIDHMIMA	40052	20
14	RUHI	16725	10
19	SPARSH	9000	20
13	TIA	15000	30

9 rows in set (0.00 sec)

```
mysql> SELECT * FROM EMP ORDER BY SAL DESC ;
```

EMPNO	ENAME	SAL	DEPTNO
16	RIDHMIMA	40052	20
15	KSHVI	20045	30
14	RUHI	16725	10
13	TIA	15000	30
19	SPARSH	9000	20
11	JOHN	8500	10
12	NRG	8500	20
18	ISHAN	8000	10
17	ARMAN	6000	30
20	MANIKA	4000	20
22	SUBHASH	1500	10
21	GAURANG	1200	30

12 rows in set (0.00 sec)

```
mysql> SELECT * FROM EMP WHERE ENAME LIKE 'A %';
Empty set (0.00 sec)
```

```
mysql> SELECT * FROM EMP WHERE ENAME LIKE 'A%';
```

EMPNO	ENAME	SAL	DEPTNO
17	ARMAN	6000	30

1 row in set (0.00 sec)

```
mysql> SELECT * FROM EMP WHERE ENAME LIKE '_A%';
```

```
-----
```

12. To List Details of employees whose name is having letter 'A' at second position.

13. To List Employee details whose length of name is 3.

14. To List Employee details whose length of name is 4.

15. To List Employee details whose length of name is 5.

Output: -

```
mysql> SELECT * FROM EMP WHERE ENAME LIKE '_A%';
+-----+
| EMPNO | ENAME | SAL | DEPTNO |
+-----+
| 20 | MANIKA | 4000 | 20 |
| 21 | GAURANG | 1200 | 30 |
+-----+
2 rows in set (0.00 sec)

mysql> SELECT * FROM EMP WHERE ENAME LIKE 'A%_';
+-----+
| EMPNO | ENAME | SAL | DEPTNO |
+-----+
| 17 | ARMAN | 6000 | 30 |
+-----+
1 row in set (0.00 sec)

mysql> SELECT * FROM EMP WHERE ENAME LIKE '____';
+-----+
| EMPNO | ENAME | SAL | DEPTNO |
+-----+
| 12 | NRG | 8500 | 20 |
| 13 | TIA | 15000 | 30 |
+-----+
2 rows in set (0.00 sec)

mysql> SELECT * FROM EMP WHERE ENAME LIKE '____';
+-----+
| EMPNO | ENAME | SAL | DEPTNO |
+-----+
| 11 | JOHN | 8500 | 10 |
| 14 | RUHI | 16725 | 10 |
+-----+
2 rows in set (0.00 sec)

mysql> SELECT * FROM EMP WHERE ENAME LIKE '_____';
+-----+
| EMPNO | ENAME | SAL | DEPTNO |
+-----+
| 19 | SPARSH | 9000 | 20 |
| 20 | MANIKA | 4000 | 20 |
+-----+
2 rows in set (0.00 sec)

mysql> SELECT DISTINCT(DEPTNO) FROM EMP;
+-----+
| DEPTNO |
+-----+
```

16. To list details of DEPTNO in table EMP with distinct values.
17. To Count number of repeating Deptno. from table EMP.
18. To count no. of employees in Table EMP with reference to their department wise.
19. To display maximum salary of employees as per their Deptno from table EMP .
20. To display Deptno where the number of employees are greater than 2 from table EMP.

Output: -

```
mysql> SELECT DISTINCT(DEPTNO) FROM EMP;
+-----+
| DEPTNO |
+-----+
|      10 |
|      20 |
|      30 |
+-----+
3 rows in set (0.00 sec)

mysql> SELECT COUNT(DISTINCT(DEPTNO)) FROM EMP;
+-----+
| COUNT(DISTINCT(DEPTNO)) |
+-----+
|                3 |
+-----+
1 row in set (0.00 sec)

mysql> SELECT DEPTNO,COUNT(*) FROM EMP GROUP BY DEPTNO;
+-----+-----+
| DEPTNO | COUNT(*) |
+-----+-----+
|      10 |         4 |
|      20 |         4 |
|      30 |         4 |
+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT DEPTNO,MAX(SAL) FROM EMP GROUP BY DEPTNO;
+-----+-----+
| DEPTNO | MAX(SAL) |
+-----+-----+
|      10 |      16725 |
|      20 |      40052 |
|      30 |      20045 |
+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT DEPTNO,COUNT(*) FROM EMP GROUP BY DEPTNO HAVING COUNT(*)>2;
+-----+-----+
| DEPTNO | COUNT(*) |
+-----+-----+
|      10 |         4 |
|      20 |         4 |
|      30 |         4 |
+-----+-----+
3 rows in set (0.00 sec)
```



21. To display the detail of that employee whose having maximum salary from table EMP.
- 22.To display the detail of employee whose Empno=15 from table EMP.
- 23.To display the detail of employee whose name is SPARSH.
- 24.To display the detail of employee whose name is TIA.
25. To display the name of employee whose salary is greater than 5000 but less than 15000.

Output: -

```
mysql> SELECT * FROM EMP WHERE SAL=(SELECT MAX(SAL) FROM EMP);
+-----+-----+-----+-----+
| EMPNO | ENAME  | SAL   | DEPTNO |
+-----+-----+-----+-----+
| 16    | RIDHMIMA | 40052 | 20     |
+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> SELECT * FROM EMP WHERE DEPTNO=(SELECT DEPTNO FROM EMP WHERE EMPNO=15);
+-----+-----+-----+-----+
| EMPNO | ENAME  | SAL   | DEPTNO |
+-----+-----+-----+-----+
| 13    | TIA    | 15000 | 30     |
| 15    | KSHVI  | 20045 | 30     |
| 17    | ARMAN  | 6000  | 30     |
| 21    | GAURANG | 1200  | 30     |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT * FROM EMP WHERE ENAME='SPARSH';
+-----+-----+-----+-----+
| EMPNO | ENAME  | SAL   | DEPTNO |
+-----+-----+-----+-----+
| 19    | SPARSH | 9000  | 20     |
+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> SELECT * FROM EMP WHERE ENAME='TIA';
+-----+-----+-----+-----+
| EMPNO | ENAME  | SAL   | DEPTNO |
+-----+-----+-----+-----+
| 13    | TIA    | 15000 | 30     |
+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> SELECT ENAME FROM EMP WHERE SAL>5000 AND SAL<15000;
+-----+
| ENAME |
+-----+
| JOHN  |
| NRG   |
| ARMAN |
| ISHAN |
| SPARSH |
+-----+
5 rows in set (0.00 sec)

mysql> SELECT ENAME,EMPNO FROM EMP WHERE DEPTNO=10 OR DEPTNO=20;
```

---

23. To display the ENAME and EMPNO of employees whose DEPTNO is either 10 or 20 from table EMP.

27. To display the details of employees whose DEPTNO lies between 10 ,20 or 30 from table EMP.

28. To display the details of employees whose DEPTNO do not lies between 10 ,20 or 30 from table EMP.

29. To display the details of employees whose DEPTNO lies between 20 or 30 from table EMP.

Output: -

```

+-----+
| ENAME | EMPNO |
+-----+
| JOHN  | 11    |
| NRG    | 12    |
| RUHI   | 14    |
| RIDHMIMA | 16    |
| ISHAN  | 18    |
| SPARSH | 19    |
| MANIKA | 20    |
| SUBHASH | 22    |
+-----+
8 rows in set (0.00 sec)

mysql> SELECT * FROM EMP WHERE DEPTNO IN(10,20,30);
+-----+
| EMPNO | ENAME | SAL  | DEPTNO |
+-----+
| 11    | JOHN  | 8500 | 10     |
| 12    | NRG    | 8500 | 20     |
| 13    | TIA    | 15000 | 30     |
| 14    | RUHI   | 16725 | 10     |
| 15    | KSHVI  | 20045 | 30     |
| 16    | RIDHMIMA | 40052 | 20     |
| 17    | ARMAN  | 6000  | 30     |
| 18    | ISHAN  | 8000  | 10     |
| 19    | SPARSH | 9000  | 20     |
| 20    | MANIKA | 4000  | 20     |
| 21    | GAURANG | 1200  | 30     |
| 22    | SUBHASH | 1500  | 10     |
+-----+
12 rows in set (0.00 sec)

mysql> SELECT * FROM EMP WHERE DEPTNO NOT IN(10,20,30);
Empty set (0.00 sec)

mysql> SELECT * FROM EMP WHERE DEPTNO NOT IN(20,30);
+-----+
| EMPNO | ENAME | SAL  | DEPTNO |
+-----+
| 11    | JOHN  | 8500 | 10     |
| 14    | RUHI   | 16725 | 10     |
| 18    | ISHAN  | 8000  | 10     |
| 22    | SUBHASH | 1500  | 10     |
+-----+
4 rows in set (0.00 sec)

```

30. Create new table DEPT with its no., name and its location.

31. Insert values into table DEPT as per the columns.

32. Display table DEPT.

Output: -

```
mysql> SELECT * FROM EMP WHERE DEPTNO NOT IN(10,20,30);
Empty set (0.00 sec)
```

```
mysql> SELECT * FROM EMP WHERE DEPTNO NOT IN(20,30);
```

EMPNO	ENAME	SAL	DEPTNO
11	JOHN	8500	10
14	RUHI	16725	10
18	ISHAN	8000	10
22	SUBHASH	1500	10

```
1 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE DEPT(DNO INT, DNAME CHAR(20), LOC CHAR(20));
Query OK, 0 rows affected (0.10 sec)
```

```
mysql> INSERT INTO DEPT VALUES(10,'MARKETING','DELHI');
Query OK, 1 row affected (0.03 sec)
```

```
mysql> INSERT INTO DEPT VALUES(20,'PRODUCTION','MUMBAI');
Query OK, 1 row affected (0.05 sec)
```

```
mysql> INSERT INTO DEPT VALUES(30,'ACCOUNTS','BANGALORE');
Query OK, 1 row affected (0.06 sec)
```

```
mysql> INSERT INTO DEPT VALUES(40,'SALES','CALCUTTA');
Query OK, 1 row affected (0.06 sec)
```

```
mysql> SELECT * FROM DEPT;
```

DNO	DNAME	LOC
10	MARKETING	DELHI
20	PRODUCTION	MUMBAI
30	ACCOUNTS	BANGALORE
40	SALES	CALCUTTA

```
1 rows in set (0.00 sec)
```

```
mysql> SELECT ENAME,SAL,EMPNO,DNAME,LOC FROM EMP,DEPT WHERE EMP.DEPTNO=DEPT.DNO;
```

ENAME	SAL	EMPNO	DNAME	LOC
JOHN	8500	11	MARKETING	DELHI
NRG	8500	12	PRODUCTION	MUMBAI
TIA	15000	13	ACCOUNTS	BANGALORE
RUHI	16725	14	MARKETING	DELHI

33. To display the details of employees with their department name and department no. from table EMP and DEPT.

Output: -

```
mysql> SELECT * FROM DEPT;
```

DNO	DNAME	LOC
10	MARKETING	DELHI
20	PRODUCTION	MUMBAI
30	ACCOUNTS	BANGALORE
40	SALES	CALCUTTA

```
4 rows in set (0.00 sec)
```

  

```
mysql> SELECT ENAME,SAL,EMPNO,DNAME,LOC FROM EMP,DEPT WHERE EMP.DEPTNO=DEPT.DNO;
```

ENAME	SAL	EMPNO	DNAME	LOC
JOHN	8500	11	MARKETING	DELHI
NRG	8500	12	PRODUCTION	MUMBAI
TIA	15000	13	ACCOUNTS	BANGALORE
RUHI	16725	14	MARKETING	DELHI
KSHVI	20045	15	ACCOUNTS	BANGALORE
RIDHMIMA	40052	16	PRODUCTION	MUMBAI
ARMAN	6000	17	ACCOUNTS	BANGALORE
ISHAN	8000	18	MARKETING	DELHI
SPARSH	9000	19	PRODUCTION	MUMBAI
MANIKA	4000	20	PRODUCTION	MUMBAI
GAURANG	1200	21	ACCOUNTS	BANGALORE
SUBHASH	1500	22	MARKETING	DELHI

```
12 rows in set (0.00 sec)
```

34. To show table MANAGER

Output: -

```
mysql> SELECT * FROM MANAGER;
```

EMPNO	ENAME	SAL	DEPTNO
11	JOHN	8500	10
12	NRG	8500	20
13	TIA	15000	30
14	RUHI	16725	10
15	KSHVI	20045	30
16	RIDHMIMA	40052	20
17	ARMAN	6000	30
18	ISHAN	8000	10
19	SPARSH	9000	20
20	MANIKA	4000	20
22	SUBHASH	1500	10

```
11 rows in set (0.00 sec)
```

```
mysql> _
```

35. Create another table as EMP2 and copy all values from table EMP.
36. To delete table EMP2.

Output: -

```
mysql> SELECT * FROM MANAGER;
```

EMPNO	ENAME	SAL	DEPTNO
11	JOHN	8500	10
12	NRG	8500	20
13	TIA	15000	30
14	RUHI	16725	10
15	KSHVI	20045	30
16	RIDHMIMA	40052	20
17	ARMAN	6000	30
18	ISHAN	8000	10
19	SPARSH	9000	20
20	MANIKA	4000	20
22	SUBHASH	1500	10

```
11 rows in set (0.00 sec)

mysql> CREATE TABLE EMP2;
ERROR 1113 (42000): A table must have at least 1 column
mysql> CREATE TABLE EMP2 AS
-> SELECT * FROM EMP;
Query OK, 12 rows affected (0.16 sec)
Records: 12 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM EMP2;
```

EMPNO	ENAME	SAL	DEPTNO
11	JOHN	8500	10
12	NRG	8500	20
13	TIA	15000	30
14	RUHI	16725	10
15	KSHVI	20045	30
16	RIDHMIMA	40052	20
17	ARMAN	6000	30
18	ISHAN	8000	10
19	SPARSH	9000	20
20	MANIKA	4000	20
21	GAURANG	1200	30
22	SUBHASH	1500	10

```
12 rows in set (0.00 sec)

mysql> DROP TABLE EMP2;
Query OK, 0 rows affected (0.40 sec)

mysql> SELECT * FROM EMP2;
ERROR 1146 (42S02): Table 'company.emp2' doesn't exist
```

37. To add coloumn JOB in table EMP.
38. To change the salaray of employee RIDHIMA to 45000 in table emp.
39. display the table EMP.
40. To change the salaray of employee RUHI to 16000 in table emp.

Output: -

```
mysql> ALTER TABLE EMP ADD(JOB CHAR(20));
Query OK, 12 rows affected (0.34 sec)
Records: 12  Duplicates: 0  Warnings: 0

mysql> UPDATE EMP SET SAL=45000 WHERE ENAME='RIDHMIMA';
Query OK, 1 row affected (0.07 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM EMP;
```

EMPNO	ENAME	SAL	DEPTNO	JOB
11	JOHN	8500	10	NULL
12	NRG	8500	20	NULL
13	TIA	15000	30	NULL
14	RUHI	16725	10	NULL
15	KSHVI	20045	30	NULL
16	RIDHMIMA	45000	20	NULL
17	ARMAN	6000	30	NULL
18	ISHAN	8000	10	NULL
19	SPARSH	9000	20	NULL
20	MANIKA	4000	20	NULL
21	GAURANG	1200	30	NULL
22	SUBHASH	1500	10	NULL

```
12 rows in set (0.00 sec)

mysql> UPDATE EMP SET SAL=16000 WHERE ENAME='RUHI';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM EMP;
```

EMPNO	ENAME	SAL	DEPTNO	JOB
11	JOHN	8500	10	NULL
12	NRG	8500	20	NULL
13	TIA	15000	30	NULL
14	RUHI	16000	10	NULL
15	KSHVI	20045	30	NULL
16	RIDHMIMA	45000	20	NULL
17	ARMAN	6000	30	NULL
18	ISHAN	8000	10	NULL
19	SPARSH	9000	20	NULL
20	MANIKA	4000	20	NULL
21	GAURANG	1200	30	NULL
22	SUBHASH	1500	10	NULL

```
12 rows in set (0.00 sec)
```



41. To change the JOB of employee SUBHASH to 'pilate' in table emp.

Output: -

```
mysql> SELECT * FROM EMP;
```

EMPNO	ENAME	SAL	DEPTNO	JOB
11	JOHN	8500	10	NULL
12	NRG	8500	20	NULL
13	TIA	15000	30	NULL
14	RUHI	16000	10	NULL
15	KSHVI	20045	30	NULL
16	RIDHMIMA	45000	20	NULL
17	ARMAN	6000	30	NULL
18	ISHAN	8000	10	NULL
19	SPARSH	9000	20	NULL
20	MANIKA	4000	20	NULL
21	GAURANG	1200	30	NULL
22	SUBHASH	1500	10	NULL

```
12 rows in set (0.00 sec)

mysql> UPDATE EMP SET JOB='PILATE' WHERE ENAME='SUBHASH';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT * FROM EMP;
```

EMPNO	ENAME	SAL	DEPTNO	JOB
11	JOHN	8500	10	NULL
12	NRG	8500	20	NULL
13	TIA	15000	30	NULL
14	RUHI	16000	10	NULL
15	KSHVI	20045	30	NULL
16	RIDHMIMA	45000	20	NULL
17	ARMAN	6000	30	NULL
18	ISHAN	8000	10	NULL
19	SPARSH	9000	20	NULL
20	MANIKA	4000	20	NULL
21	GAURANG	1200	30	NULL
22	SUBHASH	1500	10	PILATE

```
12 rows in set (0.00 sec)

mysql> UPDATE EMP SET JOB='ENGINEER' WHERE ENAME='RIDHMIMA';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> UPDATE EMP SET JOB='STAFF' WHERE ENAME='JOHN';
Query OK, 1 row affected (0.06 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

- 42. To change the JOB of employee RIDHIMA to 'engineer' in table emp.
- 43. To change the JOB of employee JOHN to 'STAFF' in table emp.
- 44. To change the JOB of employee NRG to 'TEACHER' in table emp.
- 45. To change the JOB of employee TIA to 'LAWYER' in table emp.
- 46. To change the JOB of employee KSHVI to 'DOCTOR' in table emp.
- 47. To change the JOB of employee ARMAN to 'GARDENER' in table emp.
- 48. To change the JOB of employee ISHAN to 'MANAGER' in table emp.
- 49. To change the JOB of employee SPARSH to 'ENGINEER' in table emp.
- 50. To change the JOB of employee MANIKA to 'TEACHER' in table emp.
- 52. Display the details of EMP.

Output: -

Next Page



```
ysql> UPDATE EMP SET JOB='ENGINEER' WHERE ENAME='RIDHMIMA';
uery OK, 1 row affected (0.05 sec)
ows matched: 1 Changed: 1 Warnings: 0
```

```
ysql> UPDATE EMP SET JOB='STAFF' WHERE ENAME='JOHN';
uery OK, 1 row affected (0.06 sec)
ows matched: 1 Changed: 1 Warnings: 0
```

```
ysql> UPDATE EMP SET JOB='TEACHER' WHERE ENAME='NRG';
uery OK, 1 row affected (0.05 sec)
ows matched: 1 Changed: 1 Warnings: 0
```

```
ysql> UPDATE EMP SET JOB='LAWYER' WHERE ENAME='TIA';
uery OK, 1 row affected (0.06 sec)
ows matched: 1 Changed: 1 Warnings: 0
```

```
ysql> UPDATE EMP SET JOB='DOCTOR' WHERE ENAME='KSHVI';
uery OK, 1 row affected (0.06 sec)
ows matched: 1 Changed: 1 Warnings: 0
```

```
ysql> UPDATE EMP SET JOB='GARDENER' WHERE ENAME='ARMAN';
uery OK, 1 row affected (0.04 sec)
ows matched: 1 Changed: 1 Warnings: 0
```

```
ysql> UPDATE EMP SET JOB='MANAGER' WHERE ENAME='ISHAN';
uery OK, 1 row affected (0.06 sec)
ows matched: 1 Changed: 1 Warnings: 0
```

```
ysql> UPDATE EMP SET JOB='ENGINEER' WHERE ENAME='SPARSH';
uery OK, 1 row affected (0.06 sec)
ows matched: 1 Changed: 1 Warnings: 0
```

```
ysql> UPDATE EMP SET JOB='TEACHER' WHERE ENAME='MANIKA';
uery OK, 1 row affected (0.06 sec)
ows matched: 1 Changed: 1 Warnings: 0
```

```
ysql> SELECT * FROM EMP;
```

EMPNO	ENAME	SAL	DEPTNO	JOB
11	JOHN	8500	10	STAFF
12	NRG	8500	20	TEACHER
13	TIA	15000	30	LAWYER
14	RUHI	16000	10	NULL
15	KSHVI	20045	30	DOCTOR
16	RIDHMIMA	45000	20	ENGINEER
17	ARMAN	6000	30	GARDENER
18	ISHAN	8000	10	MANAGER
19	SPARSH	9000	20	ENGINEER

53. To change the JOB of employee RUHI to 'CHEF' in table emp.

54. To display the distinct jobs of employees from table EMP.

Output: -

```
mysql> SELECT * FROM EMP;
```

EMPNO	ENAME	SAL	DEPTNO	JOB
11	JOHN	8500	10	STAFF
12	NRG	8500	20	TEACHER
13	TIA	15000	30	LAWYER
14	RUHI	16000	10	NULL
15	KSHVI	20045	30	DOCTOR
16	RIDHMIMA	45000	20	ENGINEER
17	ARMAN	6000	30	GARDENER
18	ISHAN	8000	10	MANAGER
19	SPARSH	9000	20	ENGINEER
20	MANIKA	4000	20	TEACHER
21	GAURANG	1200	30	NULL
22	SUBHASH	1500	10	PILATE

2 rows in set (0.00 sec)

```
mysql> UPDATE EMP SET JOB='CHEF' WHERE ENAME='RUHI';
Query OK, 1 row affected (0.05 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
mysql> SELECT * FROM EMP;
```

EMPNO	ENAME	SAL	DEPTNO	JOB
11	JOHN	8500	10	STAFF
12	NRG	8500	20	TEACHER
13	TIA	15000	30	LAWYER
14	RUHI	16000	10	CHEF
15	KSHVI	20045	30	DOCTOR
16	RIDHMIMA	45000	20	ENGINEER
17	ARMAN	6000	30	GARDENER
18	ISHAN	8000	10	MANAGER
19	SPARSH	9000	20	ENGINEER
20	MANIKA	4000	20	TEACHER
21	GAURANG	1200	30	NULL
22	SUBHASH	1500	10	PILATE

2 rows in set (0.00 sec)

```
mysql> SELECT DISTINCT(JOB) FROM EMP;
```

JOB
STAFF
TEACHER

55. To count number of distinct jobs of employees in table EMP.

Output: -

```

ysql> SELECT DISTINCT(JOB) FROM EMP;
-----+
JOB      |
-----+
STAFF
TEACHER
LAWYER
CHEF
DOCTOR
ENGINEER
GARDENER
MANAGER
NULL
PILATE
-----+
0 rows in set (0.00 sec)

ysql> SELECT COUNT(DISTINCT(JOB)) FROM EMP;
-----+
COUNT(DISTINCT(JOB)) |
-----+
9 |
-----+
1 row in set (0.00 sec)

ysql> SELECT * FROM EMP;
-----+-----+-----+-----+-----+
EMPNO | ENAME   | SAL   | DEPTNO | JOB      |
-----+-----+-----+-----+-----+
11 | JOHN    | 8500  | 10     | STAFF    |
12 | NRG     | 8500  | 20     | TEACHER  |
13 | TIA     | 15000 | 30     | LAWYER   |
14 | RUHI    | 16000 | 10     | CHEF     |
15 | KSHVI   | 20045 | 30     | DOCTOR   |
16 | RIDHMIMA | 45000 | 20     | ENGINEER |
17 | ARMAN   | 6000  | 30     | GARDENER |
18 | ISHAN   | 8000  | 10     | MANAGER  |
19 | SPARSH  | 9000  | 20     | ENGINEER |
20 | MANIKA  | 4000  | 20     | TEACHER  |
21 | GAURANG | 1200  | 30     | NULL     |
22 | SUBHASH | 1500  | 10     | PILATE   |
-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

```