22 july

mysql> create table emp(eno int primary key,ename varchar(20),designation varchar(20),salary float,dateofjoining varchar(20));

Query OK, 0 rows affected (0.10 sec)

mysql> desc emp;

```
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| eno          | int         | NO   | PRI | NULL    |       |
| ename        | varchar(20) | YES  |     | NULL    |       |
| designation  | varchar(20) | YES  |     | NULL    |       |
| salary       | float       | YES  |     | NULL    |       |
| dateofjoining| varchar(20) | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

mysql> insert into emp(eno,ename,designation,salary,dateofjoining)values(1,'Dhanashri','teacher',40000 ,'23/12/2001');

Query OK, 1 row affected (0.02 sec)

mysql> insert into emp values(2,'Roshan','engineer',520000,'03/10/2002');

Query OK, 1 row affected (0.02 sec)

mysql> insert into emp values(3,'Arohi','manager',540000,'06/08/2003');

Query OK, 1 row affected (0.02 sec)

mysql> insert into emp values(4,'Shivam','CEO',500000,'01/01/2004');

Query OK, 1 row affected (0.02 sec)

mysql> insert into emp values(5,'Adavik','manager',340000,'15/09/2004');

Query OK, 1 row affected (0.05 sec)

mysql> select*from emp;

```
+-----+-----------+-------------+--------+--------------+
| eno | ename     | designation | salary | dateofjoining |
+-----+-----------+-------------+--------+--------------+
|   1 | Dhanashri | teacher     |  40000 | 23/12/2001    |
|   2 | Roshan    | engineer    | 520000 | 03/10/2002    |
|   3 | Arohi     | manager     | 540000 | 06/08/2003    |
|   4 | Shivam    | CEO         | 500000 | 01/01/2004    |
|   5 | Adavik    | manager     | 340000 | 15/09/2004    |
+-----+-----------+-------------+--------+--------------+
5 rows in set (0.00 sec)
```

1.

mysql> alter table emp add column email varchar(20);

Query OK, 0 rows affected (0.12 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select * from emp;

```
+-----+-----------+-------------+--------+--------------+-------+
| eno | ename     | designation | salary | dateofjoining | email |
+-----+-----------+-------------+--------+--------------+-------+
|   1 | Dhanashri | teacher     |  40000 | 23/12/2001    | NULL  |
|   2 | Roshan    | engineer    | 520000 | 03/10/2002    | NULL  |
|   3 | Arohi     | manager     | 540000 | 06/08/2003    | NULL  |
|   4 | Shivam    | CEO         | 500000 | 01/01/2004    | NULL  |
|   5 | Adavik    | manager     | 340000 | 15/09/2004    | NULL  |
+-----+-----------+-------------+--------+--------------+-------+
5 rows in set (0.00 sec)
```

2.

mysql> update emp set email='dhanu08@gmail.com' where eno=1;

Query OK, 1 row affected (0.02 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update emp set email='roshan16@gmail.com' where eno=2;

Query OK, 1 row affected (0.03 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update emp set email='arohi19@gmail.com' where eno=3;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update emp set email='shivam26@gmail.com' where eno=4;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update emp set email='adavik45@gmail.com' where eno=5;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from emp;

```
+-----+-----------+-------------+--------+-------------+--------------------+
| eno | ename     | designation | salary | dateofjoining | email            |
+-----+-----------+-------------+--------+-------------+--------------------+
|   1 | Dhanashri | teacher     |  40000 | 23/12/2001  | dhanu08@gmail.com  |
|   2 | Roshan    | engineer    | 520000 | 03/10/2002  | roshan16@gmail.com |
|   3 | Arohi     | manager     | 540000 | 06/08/2003  | arohi19@gmail.com  |
|   4 | Shivam    | CEO         | 500000 | 01/01/2004  | shivam26@gmail.com |
|   5 | Adavik    | manager     | 340000 | 15/09/2004  | adavik45@gmail.com |
+-----+-----------+-------------+--------+-------------+--------------------+
5 rows in set (0.00 sec)
```

3.

mysql> update emp set salary=salary+(salary*0.05);

Query OK, 5 rows affected (0.02 sec)

Rows matched: 5 Changed: 5 Warnings: 0

mysql> select * from emp;

```
+-----+-----------+-------------+--------+--------------+--------------------+
| eno | ename     | designation | salary | dateofjoining | email             |
+-----+-----------+-------------+--------+--------------+--------------------+
|   1 | Dhanashri | teacher     |  42000 | 23/12/2001   | dhanu08@gmail.com  |
|   2 | Roshan    | engineer    | 546000 | 03/10/2002   | roshan16@gmail.com |
|   3 | Arohi     | manager     | 567000 | 06/08/2003   | arohi19@gmail.com  |
|   4 | Shivam    | CEO         | 525000 | 01/01/2004   | shivam26@gmail.com |
|   5 | Adavik    | manager     | 357000 | 15/09/2004   | adavik45@gmail.com |
+-----+-----------+-------------+--------+--------------+--------------------+
5 rows in set (0.00 sec)
```

4.

mysql> update emp set designation='sr.manager' where ename='Arohi';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from emp;

```
+-----+-----------+-------------+--------+--------------+--------------------+
| eno | ename     | designation | salary | dateofjoining | email             |
+-----+-----------+-------------+--------+--------------+--------------------+
|   1 | Dhanashri | teacher     |  42000 | 23/12/2001   | dhanu08@gmail.com  |
|   2 | Roshan    | engineer    | 546000 | 03/10/2002   | roshan16@gmail.com |
|   3 | Arohi     | sr.manager  | 567000 | 06/08/2003   | arohi19@gmail.com  |
|   4 | Shivam    | CEO         | 525000 | 01/01/2004   | shivam26@gmail.com |
|   5 | Adavik    | manager     | 357000 | 15/09/2004   | adavik45@gmail.com |
+-----+-----------+-------------+--------+--------------+--------------------+
5 rows in set (0.00 sec)
```

5.

mysql> update emp set designation='sr.assistant manager' where eno=1;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from emp;

```
+------+-----------+---------------------+--------+--------------+----------------------+
| eno  | ename     | designation         | salary | dateofjoining| email                |
+------+-----------+---------------------+--------+--------------+----------------------+
|    1 | Dhanashri | sr.assistant manager|  42000 | 23/12/2001   | dhanu08@gmail.com    |
|    2 | Roshan    | engineer            | 546000 | 03/10/2002   | roshan16@gmail.com   |
|    3 | Arohi     | sr.manager          | 567000 | 06/08/2003   | arohi19@gmail.com    |
|    4 | Shivam    | CEO                 | 525000 | 01/01/2004   | shivam26@gmail.com   |
|    5 | Adavik    | manager             | 357000 | 15/09/2004   | adavik45@gmail.com   |
+------+-----------+---------------------+--------+--------------+----------------------+
5 rows in set (0.00 sec)
```

6.

mysql> alter table emp add column city varchar(20);

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select * from emp;

```
+------+-----------+---------------------+--------+--------------+----------------------+------+
| eno  | ename     | designation         | salary | dateofjoining| email                | city |
+------+-----------+---------------------+--------+--------------+----------------------+------+
|    1 | Dhanashri | sr.assistant manager|  42000 | 23/12/2001   | dhanu08@gmail.com    | NULL |
|    2 | Roshan    | engineer            | 546000 | 03/10/2002   | roshan16@gmail.com   | NULL |
|    3 | Arohi     | sr.manager          | 567000 | 06/08/2003   | arohi19@gmail.com    | NULL |
|    4 | Shivam    | CEO                 | 525000 | 01/01/2004   | shivam26@gmail.com   | NULL |
|    5 | Adavik    | manager             | 357000 | 15/09/2004   | adavik45@gmail.com   | NULL |
+------+-----------+---------------------+--------+--------------+----------------------+------+
5 rows in set (0.00 sec)
```

7.

mysql> update emp set city='Kolhapur' where eno=1;

Query OK, 1 row affected (0.02 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update emp set city='Pune' where eno=2;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update emp set city='Sangli' where eno=3;

Query OK, 1 row affected (0.02 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update emp set city='Delhi' where eno=4;

Query OK, 1 row affected (0.02 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update emp set city='Satara' where eno=5;

Query OK, 1 row affected (0.02 sec)

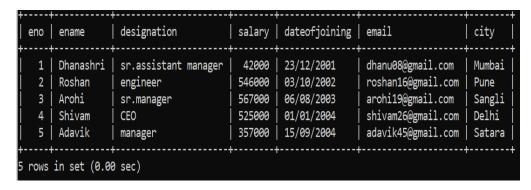Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from emp;

```
+-----+----------+---------------------+--------+--------------+---------------------+----------+
| eno | ename    | designation         | salary | dateofjoining | email               | city     |
+-----+----------+---------------------+--------+--------------+---------------------+----------+
|   1 | Dhanashri | sr.assistant manager |  42000 | 23/12/2001   | dhanu08@gmail.com   | Kolhapur |
|   2 | Roshan   | engineer            | 546000 | 03/10/2002   | roshan16@gmail.com  | Pune     |
|   3 | Arohi    | sr.manager          | 567000 | 06/08/2003   | arohi19@gmail.com   | Sangli   |
|   4 | Shivam   | CEO                 | 525000 | 01/01/2004   | shivam26@gmail.com  | Delhi    |
|   5 | Adavik   | manager             | 357000 | 15/09/2004   | adavik45@gmail.com  | Satara   |
+-----+----------+---------------------+--------+--------------+---------------------+----------+
5 rows in set (0.00 sec)
```

8.

mysql> update emp set city='Mumbai' where ename='Dhanashri';

Query OK, 1 row affected (0.02 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from emp;

```
+-----+-----------+---------------------+--------+-------------+----------------------+--------+
| eno | ename     | designation         | salary | dateofjoining | email              | city   |
+-----+-----------+---------------------+--------+-------------+----------------------+--------+
|   1 | Dhanashri | sr.assistant manager |  42000 | 23/12/2001  | dhanu08@gmail.com    | Mumbai |
|   2 | Roshan    | engineer            | 546000 | 03/10/2002  | roshan16@gmail.com   | Pune   |
|   3 | Arohi     | sr.manager          | 567000 | 06/08/2003  | arohi19@gmail.com    | Sangli |
|   4 | Shivam    | CEO                 | 525000 | 01/01/2004  | shivam26@gmail.com   | Delhi  |
|   5 | Adavik    | manager             | 357000 | 15/09/2004  | adavik45@gmail.com   | Satara |
+-----+-----------+---------------------+--------+-------------+----------------------+--------+
5 rows in set (0.00 sec)
```

9.

mysql> update emp set salary=salary-(salary*0.05) where designation='CEO' and city='Satara';

Query OK, 0 rows affected (0.00 sec)

Rows matched: 0 Changed: 0 Warnings: 0

mysql> select * from emp;

```
+-----+-----------+---------------------+--------+-------------+----------------------+--------+
| eno | ename     | designation         | salary | dateofjoining | email              | city   |
+-----+-----------+---------------------+--------+-------------+----------------------+--------+
|   1 | Dhanashri | sr.assistant manager |  42000 | 23/12/2001  | dhanu08@gmail.com    | Mumbai |
|   2 | Roshan    | engineer            | 546000 | 03/10/2002  | roshan16@gmail.com   | Pune   |
|   3 | Arohi     | sr.manager          | 567000 | 06/08/2003  | arohi19@gmail.com    | Sangli |
|   4 | Shivam    | CEO                 | 525000 | 01/01/2004  | shivam26@gmail.com   | Delhi  |
|   5 | Adavik    | manager             | 357000 | 15/09/2004  | adavik45@gmail.com   | Satara |
+-----+-----------+---------------------+--------+-------------+----------------------+--------+
5 rows in set (0.00 sec)
```

10.

mysql> alter table emp add column phoneno int(10);

Query OK, 0 rows affected, 1 warning (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 1

mysql> select * from emp;

```
+-----+-----------+---------------------+--------+-------------+----------------------+--------+---------+
| eno | ename     | designation         | salary | dateofjoining | email              | city   | phoneno |
+-----+-----------+---------------------+--------+-------------+----------------------+--------+---------+
|   1 | Dhanashri | sr.assistant manager |  42000 | 23/12/2001  | dhanu08@gmail.com    | Mumbai |    NULL |
|   2 | Roshan    | engineer            | 546000 | 03/10/2002  | roshan16@gmail.com   | Pune   |    NULL |
|   3 | Arohi     | sr.manager          | 567000 | 06/08/2003  | arohi19@gmail.com    | Sangli |    NULL |
|   4 | Shivam    | CEO                 | 525000 | 01/01/2004  | shivam26@gmail.com   | Delhi  |    NULL |
|   5 | Adavik    | manager             | 357000 | 15/09/2004  | adavik45@gmail.com   | Satara |    NULL |
+-----+-----------+---------------------+--------+-------------+----------------------+--------+---------+
5 rows in set (0.00 sec)
```

11.

mysql> update emp set dateofjoining='01/01/2004' where ename='Shivam' and city='Delhi';

Query OK, 0 rows affected (0.00 sec)

Rows matched: 1 Changed: 0 Warnings: 0

mysql> select * from emp;

```
+-----+----------+-------------------+--------+-------------+--------------------+--------+---------+
| eno | ename    | designation       | salary | dateofjoining | email            | city   | phoneno |
+-----+----------+-------------------+--------+-------------+--------------------+--------+---------+
|   1 | Dhanashri| sr.assistant manager| 42000 | 23/12/2001  | dhanu08@gmail.com  | Mumbai |    NULL |
|   2 | Roshan   | engineer          | 546000 | 03/10/2002  | roshan16@gmail.com | Pune   |    NULL |
|   3 | Arohi    | sr.manager        | 567000 | 06/08/2003  | arohi19@gmail.com  | Sangli |    NULL |
|   4 | Shivam   | CEO               | 525000 | 01/01/2004  | shivam26@gmail.com | Delhi  |    NULL |
|   5 | Adavik   | manager           | 357000 | 15/09/2004  | adavik45@gmail.com | Satara |    NULL |
+-----+----------+-------------------+--------+-------------+--------------------+--------+---------+
5 rows in set (0.00 sec)
```

12.

mysql> update emp set dateofjoining='25/11/2001' where ename='Dhanashri' and city='Mumbai';

Query OK, 1 row affected (0.02 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update emp set dateofjoining='16/10/2002' where ename='Roshan' and city='Pune';

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from emp;

eno	ename	designation	salary	dateofjoining	email	city	phoneno
1	Dhanashri	sr.assistant manager	42000	25/11/2001	dhanu08@gmail.com	Mumbai	NULL
2	Roshan	engineer	546000	16/10/2002	roshan16@gmail.com	Pune	NULL
3	Arohi	sr.manager	567000	06/08/2003	arohi19@gmail.com	Sangli	NULL
4	Shivam	CEO	525000	01/01/2004	shivam26@gmail.com	Delhi	NULL
5	Adavik	manager	357000	15/09/2004	adavik45@gmail.com	Satara	NULL

5 rows in set (0.01 sec)