MYSQL PART-1

mysql> show databases;

```
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| nit                |
| nit2               |
| performance_schema |
| samson             |
| sys                |
+--------------------+
```

7 rows in set (0.00 sec)

mysql> use nit2;

Database changed

mysql> create table student(

   -> name varchar(30),

   -> id int not null primary key,

   -> address varchar(50),

   -> marks int);

Query OK, 0 rows affected (2.01 sec)

mysql> desc student;

```
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
```

```
+---------+-------------+------+-----+---------+-------+
| name    | varchar(30) | YES  |     | NULL    |       |
| id      | int         | NO   | PRI | NULL    |       |
| address | varchar(50) | YES  |     | NULL    |       |
| marks   | int         | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
4 rows in set (0.46 sec)


mysql> insert into student(marks,id,name,address)values(78, 12, 'prakash', 'hyd');
Query OK, 1 row affected (1.71 sec)


mysql> insert into student values('kodi', 40, 'bng', 66);
Query OK, 1 row affected (0.01 sec)


mysql> insert into student values('alex', 45, 'hyd', 79),('cathy',17,'delhi',90),
    -> ('dolly',48,'pune',67),('chancy',78,'mumbai',34);
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0


mysql> select * from student;
+---------+----+---------+-------+
| name    | id | address | marks |
+---------+----+---------+-------+
| prakash | 12 | hyd     |    78 |
| cathy   | 17 | delhi   |    90 |
| kodi    | 40 | bng     |    66 |
| alex    | 45 | hyd     |    79 |
| dolly   | 48 | pune    |    67 |
```

```
| chancy  | 78 | mumbai  |   34 |
+--------+----+--------+-------+
6 rows in set (0.01 sec)


mysql> select name from student;
+--------+
| name   |
+--------+
| prakash |
| cathy   |
| kodi    |
| alex    |
| dolly   |
| chancy  |
+--------+
6 rows in set (0.00 sec)


mysql> select name,id from student;
+--------+----+
| name    | id |
+--------+----+
| prakash | 12 |
| cathy   | 17 |
| kodi    | 40 |
| alex    | 45 |
| dolly   | 48 |
| chancy  | 78 |
+--------+----+
```

6 rows in set (0.00 sec)

mysql> select * from student where id =12;

```
+---------+----+---------+-------+
| name    | id | address | marks |
+---------+----+---------+-------+
| prakash | 12 | hyd     |    78 |
+---------+----+---------+-------+
```

1 row in set (0.00 sec)

mysql> select * from student;

```
+---------+----+---------+-------+
| name    | id | address | marks |
+---------+----+---------+-------+
| prakash | 12 | hyd     |    78 |
| cathy   | 17 | delhi   |    90 |
| kodi    | 40 | bng     |    66 |
| alex    | 45 | hyd     |    79 |
| dolly   | 48 | pune    |    67 |
| chancy  | 78 | mumbai  |    34 |
+---------+----+---------+-------+
```

6 rows in set (0.00 sec)

mysql> insert into student values('sam',12,'hyd',56);

ERROR 1062 (23000): Duplicate entry '12' for key 'student.PRIMARY'

mysql> select * from student;

```
+---------+----+---------+-------+
| name    | id | address | marks |
```

```
+---------+----+---------+-------+
| prakash | 12 | hyd     |    78 |
| cathy   | 17 | delhi   |    90 |
| kodi    | 40 | bng     |    66 |
| alex    | 45 | hyd     |    79 |
| dolly   | 48 | pune    |    67 |
| chancy  | 78 | mumbai  |    34 |
+---------+----+---------+-------+
6 rows in set (0.00 sec)
```

mysql> update student set address='chennai' where id = 45;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from student;

```
+---------+----+---------+-------+
| name    | id | address | marks |
+---------+----+---------+-------+
| prakash | 12 | hyd     |    78 |
| cathy   | 17 | delhi   |    90 |
| kodi    | 40 | bng     |    66 |
| alex    | 45 | chennai |    79 |
| dolly   | 48 | pune    |    67 |
| chancy  | 78 | mumbai  |    34 |
+---------+----+---------+-------+
6 rows in set (0.00 sec)
```

mysql> select 10+ 20;

```
+--------+
| 10+ 20 |
+--------+
|     30 |
+--------+
1 row in set (0.00 sec)


mysql> select 10 * 20;
+---------+
| 10 * 20 |
+---------+
|     200 |
+---------+
1 row in set (0.00 sec)


mysql> select 10 / 5;
+--------+
| 10 / 5 |
+--------+
| 2.0000 |
+--------+
1 row in set (0.00 sec)


mysql> select 12 % 5;
+--------+
| 12 % 5 |
+--------+
|      2 |
```

```
+--------+
```

1 row in set (0.00 sec)

mysql>

+--------+

1 row in set (0.00 sec)