mysql> show databases;

+--------------------+

| Database |

+--------------------+

| assignment |

| db |

| information\_schema |

| mydb |

| mysql |

| performance\_schema |

| sakila |

| swetha |

| sys |

| testdb |

| world |

+--------------------+

11 rows in set (0.01 sec)

mysql> use db;

Database changed

mysql> show tables;

+--------------+

| Tables\_in\_db |

+--------------+

| employee1 |

+--------------+

1 row in set (0.01 sec)

**Creating New table:**

mysql> create table tbl\_employee(eid int(5),ename varchar(20),esalary int(5));

Query OK, 0 rows affected, 2 warnings (0.05 sec)

**Display the created table:**

mysql> desc tbl\_employee;

+---------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------+-------------+------+-----+---------+-------+

| eid | int | YES | | NULL | |

| ename | varchar(20) | YES | | NULL | |

| esalary | int | YES | | NULL | |

+---------+-------------+------+-----+---------+-------+

3 rows in set (0.01 sec)

**Inserting data into table:**

**mysql> insert into tbl\_employee values(101,"swetha",2000);**

Query OK, 1 row affected (0.01 sec)

**mysql> insert into tbl\_employee values(102,"Arun",3000);**

Query OK, 1 row affected (0.01 sec)

**Display the table**

**mysql> select \* from tbl\_employee;**

+------+--------+---------+

| eid | ename | esalary |

+------+--------+---------+

| 101 | swetha | 2000 |

| 102 | Arun | 3000 |

+------+--------+---------+

2 rows in set (0.00 sec)

**Inserting null values into the table:**

**mysql> insert into tbl\_employee values(103,null,4000);**

Query OK, 1 row affected (0.01 sec)

**mysql> select \* from tbl\_employee;**

+------+--------+---------+

| eid | ename | esalary |

+------+--------+---------+

| 101 | swetha | 2000 |

| 102 | Arun | 3000 |

| 103 | NULL | 4000 |

+------+--------+---------+

3 rows in set (0.00 sec)

**mysql> insert into tbl\_employee(eid,ename) values(104,'harishva');**

Query OK, 1 row affected (0.01 sec)

**Select Query : Used to fetch data from MYsql table**

**mysql> select \* from tbl\_employee;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 2000 |

| 102 | Arun | 3000 |

| 103 | NULL | 4000 |

| 104 | harishva | NULL |

+------+----------+---------+

4 rows in set (0.00 sec)

**mysql> select eid,esalary from tbl\_employee;**

+------+---------+

| eid | esalary |

+------+---------+

| 101 | 2000 |

| 102 | 3000 |

| 103 | 4000 |

| 104 | NULL |

+------+---------+

4 rows in set (0.00 sec)

**mysql> select \* from tbl\_employee where esalary>2000;**

+------+-------+---------+

| eid | ename | esalary |

+------+-------+---------+

| 102 | Arun | 3000 |

| 103 | NULL | 4000 |

+------+-------+---------+

2 rows in set (0.00 sec)

**mysql> select \* from tbl\_employee where ename='Arun';**

+------+-------+---------+

| eid | ename | esalary |

+------+-------+---------+

| 102 | Arun | 3000 |

+------+-------+---------+

1 row in set (0.00 sec)

**mysql> select \* from tbl\_employee where ename!='Arun';**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 2000 |

| 104 | harishva | NULL |

+------+----------+---------+

2 rows in set (0.00 sec)

**Null Comparison( Is null, Is not null)**

**(And, Or , in , not in)**

**mysql> select \* from tbl\_employee where ename is null;**

+------+-------+---------+

| eid | ename | esalary |

+------+-------+---------+

| 103 | NULL | 4000 |

+------+-------+---------+

1 row in set (0.00 sec)

**mysql> select \* from tbl\_employee where ename is not null;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 2000 |

| 102 | Arun | 3000 |

| 104 | harishva | NULL |

+------+----------+---------+

3 rows in set (0.00 sec)

**mysql> select \* from tbl\_employee where ename is not null and esalary=3000;**

+------+-------+---------+

| eid | ename | esalary |

+------+-------+---------+

| 102 | Arun | 3000 |

+------+-------+---------+

1 row in set (0.00 sec)

**mysql> select \* from tbl\_employee where ename is not null or esalary=3000;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 2000 |

| 102 | Arun | 3000 |

| 104 | harishva | NULL |

+------+----------+---------+

3 rows in set (0.00 sec)

**mysql> select \* from tbl\_employee where eid in (101,103,106);**

+------+--------+---------+

| eid | ename | esalary |

+------+--------+---------+

| 101 | swetha | 2000 |

| 103 | NULL | 4000 |

+------+--------+---------+

2 rows in set (0.00 sec)

**mysql> select \* from tbl\_employee where eid not in (101,103,106);**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 102 | Arun | 3000 |

| 104 | harishva | NULL |

+------+----------+---------+

2 rows in set (0.00 sec)

**Between**

**mysql> select \* from tbl\_employee where esalary between 2000 and 4000;**

+------+--------+---------+

| eid | ename | esalary |

+------+--------+---------+

| 101 | swetha | 2000 |

| 102 | Arun | 3000 |

| 103 | NULL | 4000 |

+------+--------+---------+

3 rows in set (0.00 sec)

**mysql> select \* from tbl\_employee where esalary between 4000 and 5000;**

+------+-------+---------+

| eid | ename | esalary |

+------+-------+---------+

| 103 | NULL | 4000 |

+------+-------+---------+

1 row in set (0.00 sec)

**mysql> select \* from tbl\_employee where esalary between 5000 and 6000;**

Empty set (0.00 sec)

**% - Indicates zero or more characters**

**mysql> select \* from tbl\_employee where ename='s%';**

Empty set (0.00 sec)

**mysql> select \* from tbl\_employee where ename like's%';**

+------+--------+---------+

| eid | ename | esalary |

+------+--------+---------+

| 101 | swetha | 2000 |

+------+--------+---------+

1 row in set (0.00 sec)

**mysql> select \* from tbl\_employee where ename like '\_r';**

Empty set (0.00 sec)

**mysql> select \* from tbl\_employee where ename like '\_r%';**

+------+-------+---------+

| eid | ename | esalary |

+------+-------+---------+

| 102 | Arun | 3000 |

+------+-------+---------+

1 row in set (0.00 sec)

**mysql> select \* from tbl\_employee where ename not like '\_r%';**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 2000 |

| 104 | harishva | NULL |

+------+----------+---------+

2 rows in set (0.00 sec)

**mysql> select \* from tbl\_employee where ename like '\_\_\_i%';**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 104 | harishva | NULL |

+------+----------+---------+

1 row in set (0.00 sec)

**mysql> select \* from tbl\_employee;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 2000 |

| 102 | Arun | 3000 |

| 103 | NULL | 4000 |

| 104 | harishva | NULL |

+------+----------+---------+

4 rows in set (0.00 sec)

**mysql> commit;**

Query OK, 0 rows affected (0.00 sec)

**mysql> update tbl\_employee set esalary=0;**

Query OK, 4 rows affected (0.01 sec)

Rows matched: 4 Changed: 4 Warnings: 0

**mysql> select \* from tbl\_employee;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 0 |

| 102 | Arun | 0 |

| 103 | NULL | 0 |

| 104 | harishva | 0 |

+------+----------+---------+

4 rows in set (0.00 sec)

Checking autommit enabled or disabled —(Enabled)

**mysql> SELECT @@autocommit from dual;**

+--------------+

| @@autocommit |

+--------------+

| 1 |

+--------------+

1 row in set (0.00 sec)

**Disabling autocommit**

**mysql> set autocommit =0;**

Query OK, 0 rows affected (0.00 sec)

**mysql> SELECT @@autocommit;**

+--------------+

| @@autocommit |

+--------------+

| 0 |

+--------------+

1 row in set (0.00 sec)

**mysql> select \* from tbl\_employee;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 0 |

| 102 | Arun | 0 |

| 103 | NULL | 0 |

| 104 | harishva | 0 |

+------+----------+---------+

4 rows in set (0.00 sec)

**mysql> update tbl\_employee set esalary=1000 where eid=101;**

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from tbl\_employee;

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 1000 |

| 102 | Arun | 0 |

| 103 | NULL | 0 |

| 104 | harishva | 0 |

+------+----------+---------+

4 rows in set (0.00 sec)

**mysql> rollback;**

Query OK, 0 rows affected (0.00 sec)

mysql> select \* from tbl\_employee;

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 0 |

| 102 | Arun | 0 |

| 103 | NULL | 0 |

| 104 | harishva | 0 |

+------+----------+---------+

4 rows in set (0.00 sec)

**mysql> update tbl\_employee set esalary=2000;**

Query OK, 4 rows affected (0.00 sec)

Rows matched: 4 Changed: 4 Warnings: 0

**mysql> select \* from tbl\_employee;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 2000 |

| 102 | Arun | 2000 |

| 103 | NULL | 2000 |

| 104 | harishva | 2000 |

+------+----------+---------+

4 rows in set (0.00 sec)

**mysql> commit;**

Query OK, 0 rows affected (0.01 sec)

**mysql> rollback;**

Query OK, 0 rows affected (0.00 sec)

After commit ,rollback doesn’t occurs.

**mysql> select \* from tbl\_employee;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 2000 |

| 102 | Arun | 2000 |

| 103 | NULL | 2000 |

| 104 | harishva | 2000 |

+------+----------+---------+

4 rows in set (0.00 sec)

—-->

**mysql> update tbl\_employee set ename=null,esalary=0 where eid in (101,103,106);**

Query OK, 2 rows affected (0.00 sec)

Rows matched: 2 Changed: 2 Warnings: 0

mysql> select \* from tbl\_employee;

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | NULL | 0 |

| 102 | Arun | 2000 |

| 103 | NULL | 0 |

| 104 | harishva | 2000 |

+------+----------+---------+

4 rows in set (0.00 sec)

**mysql> delete from tbl\_employee;**

Query OK, 4 rows affected (0.00 sec)

**mysql> rollback;**

Query OK, 0 rows affected (0.00 sec)

**mysql> select \* from tbl\_employee;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 2000 |

| 102 | Arun | 2000 |

| 103 | NULL | 2000 |

| 104 | harishva | 2000 |

+------+----------+---------+

4 rows in set (0.00 sec)

**mysql> delete from tbl\_employee where eid=103;**

Query OK, 1 row affected (0.00 sec)

**mysql> select \* from tbl\_employee;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 2000 |

| 102 | Arun | 2000 |

| 104 | harishva | 2000 |

+------+----------+---------+

3 rows in set (0.00 sec)

**mysql> select \* from tbl\_employee order by eid;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 101 | swetha | 2000 |

| 102 | Arun | 2000 |

| 104 | harishva | 2000 |

+------+----------+---------+

3 rows in set (0.00 sec)

**mysql> select \* from tbl\_employee order by eid desc;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 104 | harishva | 2000 |

| 102 | Arun | 2000 |

| 101 | swetha | 2000 |

+------+----------+---------+

3 rows in set (0.00 sec)

**mysql> select \* from tbl\_employee order by ename;**

+------+----------+---------+

| eid | ename | esalary |

+------+----------+---------+

| 102 | Arun | 2000 |

| 104 | harishva | 2000 |

| 101 | swetha | 2000 |

+------+----------+---------+

3 rows in set (0.00 sec)

mysql> select \* from tbl\_employee where ename<=>null;

Empty set (0.00 sec)

mysql>