```
mysql> use mydb;
Database changed
mysql> show tables;
+-------------------+
| Tables_in_mydb    |
+-------------------+
| tbl_1             |
| tbl_countries     |
| tbl_dup_countries |
| tbl_job_history   |
| tbl_jobs          |
+-------------------+
5 rows in set (0.02 sec)

mysql> desc tbl_1;
+-------+-------------+------+-----+---------+-------+
| Field | Type        | Null | Key | Default | Extra |
+-------+-------------+------+-----+---------+-------+
| name  | varchar(10) | YES  |     | NULL    |       |
+-------+-------------+------+-----+---------+-------+
1 row in set (0.01 sec)

mysql> create table tbl_Employee (eid int(5),ename varchar(20),esal
int(5));
Query OK, 0 rows affected, 2 warnings (0.05 sec)

mysql> desc tbl_EMployee;
+-------+-------------+------+-----+---------+-------+
| Field | Type        | Null | Key | Default | Extra |
+-------+-------------+------+-----+---------+-------+
| eid   | int         | YES  |     | NULL    |       |
| ename | varchar(20) | YES  |     | NULL    |       |
| esal  | int         | YES  |     | NULL    |       |
+-------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> insert into tbl_Employee values(101,"Domnic",2000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into tbl_Employee values(102,"Mahesh",2010);
Query OK, 1 row affected (0.00 sec)

mysql> select * from tbl_Employee;
+------+--------+------+
```

```
| eid  | ename  | esal |
+------+--------+------+
|  101 | Domnic | 2000 |
|  102 | Mahesh | 2010 |
+------+--------+------+
2 rows in set (0.00 sec)

mysql> insert into tbl_Employee values(103,null,4010);
Query OK, 1 row affected (0.02 sec)

mysql> insert into tbl_Employee (eid,ename) values(102,"dev");
Query OK, 1 row affected (0.01 sec)

mysql> select * from tbl_employee;
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  101 | Domnic | 2000 |
|  102 | Mahesh | 2010 |
|  103 | NULL   | 4010 |
|  102 | dev    | NULL |
+------+--------+------+
4 rows in set (0.00 sec)

mysql> select eid,ename,esal from tbl_employee;
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  101 | Domnic | 2000 |
|  102 | Mahesh | 2010 |
|  103 | NULL   | 4010 |
|  102 | dev    | NULL |
+------+--------+------+
4 rows in set (0.00 sec)

mysql> select eid from tbl_employee;
+------+
| eid  |
+------+
|  101 |
|  102 |
|  103 |
|  102 |
+------+
4 rows in set (0.00 sec)
```

```
mysql> select * from tbl_employee where esal>2000;
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  102 | Mahesh | 2010 |
|  103 | NULL   | 4010 |
+------+--------+------+
2 rows in set (0.00 sec)

mysql> select * from tbl_employee where esal=2010;
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  102 | Mahesh | 2010 |
+------+--------+------+
1 row in set (0.00 sec)


mysql> select * from tbl_employee where ename!='mahesh';
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  101 | Domnic | 2000 |
|  102 | dev    | NULL |
+------+--------+------+
2 rows in set (0.00 sec)

mysql> select * from tbl_employee where ename is null;
+------+-------+------+
| eid  | ename | esal |
+------+-------+------+
|  103 | NULL  | 4010 |
+------+-------+------+
1 row in set (0.00 sec)

mysql> select * from tbl_employee where ename is not null;
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  101 | Domnic | 2000 |
|  102 | Mahesh | 2010 |
|  102 | dev    | NULL |
+------+--------+------+
3 rows in set (0.00 sec)
```

```
mysql> select * from tbl_employee where ename is not null and
esal=2000;
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  101 | Domnic | 2000 |
+------+--------+------+
1 row in set (0.00 sec)

mysql> select * from tbl_employee where ename is null or esal=null;
+------+-------+------+
| eid  | ename | esal |
+------+-------+------+
|  103 | NULL  | 4010 |
+------+-------+------+
1 row in set (0.00 sec)

mysql> select * from tbl_employee where ename is null and esal=null;
Empty set (0.00 sec)

mysql> select * from tbl_employee where eid in(101,103,106);
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  101 | Domnic | 2000 |
|  103 | NULL   | 4010 |
+------+--------+------+
2 rows in set (0.00 sec)

mysql> select * from tbl_employee where eid not in(101,103,106);
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  102 | Mahesh | 2010 |
|  102 | dev    | NULL |
+------+--------+------+
2 rows in set (0.00 sec)

mysql> select * from tbl_employee where esal between 2000 and 4000;
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  101 | Domnic | 2000 |
|  102 | Mahesh | 2010 |
+------+--------+------+
```

```
2 rows in set (0.00 sec)

mysql> select * from tbl_employee where esal not between 2000 and
4000;
+------+-------+------+
| eid  | ename | esal |
+------+-------+------+
|  103 | NULL  | 4010 |
+------+-------+------+
1 row in set (0.00 sec)

mysql> select * from tbl_employee where esal between 4000 and 2000;
Empty set (0.00 sec)

mysql> select * from tbl_employee where ename like 'd%';
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  101 | Domnic | 2000 |
|  102 | dev    | NULL |
+------+--------+------+
2 rows in set (0.00 sec)

mysql> select * from tbl_employee where ename like '_a%';
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  102 | Mahesh | 2010 |
+------+--------+------+
1 row in set (0.00 sec)

mysql> select * from tbl_employee where ename like '%v';
+------+-------+------+
| eid  | ename | esal |
+------+-------+------+
|  102 | dev   | NULL |
+------+-------+------+
1 row in set (0.00 sec)

mysql> select * from tbl_employee where ename like '%e%';
+------+--------+------+
| eid  | ename  | esal |
+------+--------+------+
|  102 | Mahesh | 2010 |
|  102 | dev    | NULL |
```

```
+------+--------+------+
2 rows in set (0.00 sec)

mysql> insert into tbl_employee values(105,"Purush",1200);
Query OK, 1 row affected (0.01 sec)

mysql> insert into tbl_employee values(125,"Shiva",5200);
Query OK, 1 row affected (0.01 sec)

mysql> insert into tbl_employee values(525,"Aravind",3900);
Query OK, 1 row affected (0.02 sec)


mysql> select * from tbl_employee;
+------+---------+------+
| eid  | ename   | esal |
+------+---------+------+
|  101 | Domnic  | 2000 |
|  102 | Mahesh  | 2010 |
|  103 | NULL    | 4010 |
|  102 | dev     | NULL |
|  105 | Purush  | 1200 |
|  125 | Shiva   | 5200 |
|  525 | Aravind | 3900 |
+------+---------+------+
7 rows in set (0.00 sec)

mysql> commit;
Query OK, 0 rows affected (0.00 sec)

mysql> update tbl_employee set esal=0;
Query OK, 7 rows affected (0.01 sec)
Rows matched: 7  Changed: 7  Warnings: 0

mysql> select * from tbl_employee;
+------+---------+------+
| eid  | ename   | esal |
+------+---------+------+
|  101 | Domnic  |    0 |
|  102 | Mahesh  |    0 |
|  103 | NULL    |    0 |
|  102 | dev     |    0 |
|  105 | Purush  |    0 |
|  125 | Shiva   |    0 |
|  525 | Aravind |    0 |
```

```
+------+---------+------+
7 rows in set (0.00 sec)

mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from tbl_employee;
+------+---------+------+
| eid  | ename   | esal |
+------+---------+------+
|  101 | Domnic  |    0 |
|  102 | Mahesh  |    0 |
|  103 | NULL    |    0 |
|  102 | dev     |    0 |
|  105 | Purush  |    0 |
|  125 | Shiva   |    0 |
|  525 | Aravind |    0 |
+------+---------+------+
7 rows in set (0.00 sec)

mysql> select @@autocommit from dual;
+--------------+
| @@autocommit |
+--------------+
|            1 |
+--------------+
1 row in set (0.00 sec)

mysql> set autocommit=0;
Query OK, 0 rows affected (0.00 sec)

mysql> select @@autocommit from dual;
+--------------+
| @@autocommit |
+--------------+
|            0 |
+--------------+
1 row in set (0.00 sec)

mysql> update tbl_employee set esal=1000 where eid=101;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 1  Changed: 0  Warnings: 0

mysql> select * from tbl_employee;
+------+---------+------+
```

```
| eid  | ename   | esal |
+------+---------+------+
|  101 | Domnic  | 1000 |
|  102 | Mahesh  | 1000 |
|  103 | NULL    | 1000 |
|  102 | dev     | 1000 |
|  105 | Purush  | 1000 |
|  125 | Shiva   | 1000 |
|  525 | Aravind | 1000 |
+------+---------+------+
7 rows in set (0.00 sec)
```

mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from tbl_employee;
```
+------+---------+------+
| eid  | ename   | esal |
+------+---------+------+
|  101 | Domnic  |    0 |
|  102 | Mahesh  |    0 |
|  103 | NULL    |    0 |
|  102 | dev     |    0 |
|  105 | Purush  |    0 |
|  125 | Shiva   |    0 |
|  525 | Aravind |    0 |
+------+---------+------+
7 rows in set (0.00 sec)
```

mysql> update tbl_employee set esal=2000;
Query OK, 7 rows affected (0.00 sec)
Rows matched: 7 Changed: 7 Warnings: 0

mysql> select * from tbl_employee;
```
+------+---------+------+
| eid  | ename   | esal |
+------+---------+------+
|  101 | Domnic  | 2000 |
|  102 | Mahesh  | 2000 |
|  103 | NULL    | 2000 |
|  102 | dev     | 2000 |
|  105 | Purush  | 2000 |
|  125 | Shiva   | 2000 |
|  525 | Aravind | 2000 |
+------+---------+------+
```

```
7 rows in set (0.00 sec)

mysql> commit;
Query OK, 0 rows affected (0.00 sec)

mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from tbl_employee;
+------+---------+------+
| eid  | ename   | esal |
+------+---------+------+
|  101 | Domnic  | 2000 |
|  102 | Mahesh  | 2000 |
|  103 | NULL    | 2000 |
|  102 | dev     | 2000 |
|  105 | Purush  | 2000 |
|  125 | Shiva   | 2000 |
|  525 | Aravind | 2000 |
+------+---------+------+
7 rows in set (0.00 sec)

mysql> update tbl_employee set ename=null,esal=0 where eid
in(101,103,100);
Query OK, 2 rows affected (0.00 sec)
Rows matched: 2  Changed: 2  Warnings: 0

mysql> select * from tbl_employee;
+------+---------+------+
| eid  | ename   | esal |
+------+---------+------+
|  101 | NULL    |    0 |
|  102 | Mahesh  | 2000 |
|  103 | NULL    |    0 |
|  102 | dev     | 2000 |
|  105 | Purush  | 2000 |
|  125 | Shiva   | 2000 |
|  525 | Aravind | 2000 |
+------+---------+------+
7 rows in set (0.00 sec)

mysql> rollback;
Query OK, 0 rows affected (0.00 sec)

mysql> select * from tbl_employee;
```

```
+------+----------+------+
| eid  | ename    | esal |
+------+----------+------+
|  101 | Domnic   | 2000 |
|  102 | Mahesh   | 2000 |
|  103 | NULL     | 2000 |
|  102 | dev      | 2000 |
|  105 | Purush   | 2000 |
|  125 | Shiva    | 2000 |
|  525 | Aravind  | 2000 |
+------+----------+------+
7 rows in set (0.00 sec)
```

mysql> delete from tbl_employee where eid=102;
```
Query OK, 2 rows affected (0.00 sec)
```

mysql> select * from tbl_employee;
```
+------+----------+------+
| eid  | ename    | esal |
+------+----------+------+
|  101 | Domnic   | 2000 |
|  103 | NULL     | 2000 |
|  105 | Purush   | 2000 |
|  125 | Shiva    | 2000 |
|  525 | Aravind  | 2000 |
+------+----------+------+
5 rows in set (0.00 sec)
```

mysql> select * from tbl_employee order by eid;
```
+------+----------+------+
| eid  | ename    | esal |
+------+----------+------+
|  101 | Domnic   | 2000 |
|  103 | NULL     | 2000 |
|  105 | Purush   | 2000 |
|  125 | Shiva    | 2000 |
|  525 | Aravind  | 2000 |
+------+----------+------+
5 rows in set (0.00 sec)
```

mysql> select * from tbl_employee order by eid desc;
```
+------+----------+------+
| eid  | ename    | esal |
+------+----------+------+
|  525 | Aravind  | 2000 |
```

```
|  125 | Shiva   | 2000 |
|  105 | Purush  | 2000 |
|  103 | NULL    | 2000 |
|  101 | Domnic  | 2000 |
+------+---------+------+
5 rows in set (0.00 sec)
```