mysql> create database stud;

Query OK, 1 row affected (0.09 sec)

mysql> use stud;

Database changed

mysql> create table t(id int, name varchar(10));

Query OK, 0 rows affected (0.35 sec)

mysql> create table t1(id int,address varchar(20));

Query OK, 0 rows affected (0.44 sec)

mysql> insert into t values(1,'abhi');

Query OK, 1 row affected (0.09 sec)

mysql> insert into t values(2,'adam');

Query OK, 1 row affected (0.11 sec)

mysql> insert into t values(3,'alex');

Query OK, 1 row affected (0.08 sec)

mysql> insert into t1 values(1,'delhi');

Query OK, 1 row affected (0.07 sec)

mysql> insert into t1 values(2,'mumbai');

Query OK, 1 row affected (0.07 sec)

mysql> insert into t1 values(3,'chennai');

Query OK, 1 row affected (0.07 sec)

mysql> select \*from t;

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

| id | name |

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

| 1 | abhi |

| 2 | adam |

| 3 | alex |

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

3 rows in set (0.00 sec)

mysql> select \*from t1;

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

| id | address |

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

| 1 | delhi |

| 2 | mumbai |

| 3 | chennai |

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

3 rows in set (0.00 sec)

mysql> select \*from t cross join t1;

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

| id | name | id | address |

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

| 3 | alex | 1 | delhi |

| 2 | adam | 1 | delhi |

| 1 | abhi | 1 | delhi |

| 3 | alex | 2 | mumbai |

| 2 | adam | 2 | mumbai |

| 1 | abhi | 2 | mumbai |

| 3 | alex | 3 | chennai |

| 2 | adam | 3 | chennai |

| 1 | abhi | 3 | chennai |

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

9 rows in set (0.00 sec)

mysql> select \*from t,t1 where t.id=t1.id;

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

| id | name | id | address |

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

| 1 | abhi | 1 | delhi |

| 2 | adam | 2 | mumbai |

| 3 | alex | 3 | chennai |

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

3 rows in set (0.00 sec)

mysql> select \*from t natural join t1;

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

| id | name | address |

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

| 1 | abhi | delhi |

| 2 | adam | mumbai |

| 3 | alex | chennai |

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

3 rows in set (0.00 sec)

mysql> select \*from t left outer join t1 on(t.id=t1.id);

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

| id | name | id | address |

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

| 1 | abhi | 1 | delhi |

| 2 | adam | 2 | mumbai |

| 3 | alex | 3 | chennai |

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

3 rows in set (0.00 sec)

mysql> select \*from t right outer join t1 on(t.id=t1.id);

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

| id | name | id | address |

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

| 1 | abhi | 1 | delhi |

| 2 | adam | 2 | mumbai |

| 3 | alex | 3 | chennai |

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

3 rows in set (0.00 sec)

mysql> insert into t1 values(4,'Harayana');

Query OK, 1 row affected (0.08 sec)

mysql> select \*from t1;

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

| id | address |

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

| 1 | delhi |

| 2 | mumbai |

| 3 | chennai |

| 4 | Harayana |

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

4 rows in set (0.00 sec)

mysql> select \*from t left outer join t1 on(t.id=t1.id);

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

| id | name | id | address |

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

| 1 | abhi | 1 | delhi |

| 2 | adam | 2 | mumbai |

| 3 | alex | 3 | chennai |

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

3 rows in set (0.00 sec)

mysql> select \*from t right outer join t1 on(t.id=t1.id);

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

| id | name | id | address |

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

| 1 | abhi | 1 | delhi |

| 2 | adam | 2 | mumbai |

| 3 | alex | 3 | chennai |

| NULL | NULL | 4 | Harayana |

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

4 rows in set (0.00 sec)

mysql> insert into t values(4,'sammy');

Query OK, 1 row affected (0.08 sec)

mysql> insert into t values(5,'sonal');

Query OK, 1 row affected (0.07 sec)

mysql> select \*from t1;

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

| id | address |

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

| 1 | delhi |

| 2 | mumbai |

| 3 | chennai |

| 4 | Harayana |

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

4 rows in set (0.01 sec)

mysql> select \*from t;

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

| id | name |

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

| 1 | abhi |

| 2 | adam |

| 3 | alex |

| 4 | sammy |

| 5 | sonal |

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

mysql> select \*from t where id <(select id from t1 where id=3);

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

| id | name |

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

| 1 | abhi |

| 2 | adam |

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