Welcome to the MySQL monitor.  Commands end with ; or \g.

Your MySQL connection id is 23

Server version: 8.0.34 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

**mysql> use assn3;**

Database changed

**mysql> create table Customer(ID int(10) primary key, Name varchar(20), Age int(5), Address varchar(20), Salary int(10));**

Query OK, 0 rows affected, 3 warnings (0.02 sec)

**mysql> insert into Customer values(424,"Rajasi",24, "Aundh,Pune",25612),(234,"Shreeya",26,"Bavdhan,Pune",26424);**

Query OK, 2 rows affected (0.01 sec)

Records: 2  Duplicates: 0  Warnings: 0

**mysql>  insert into Customer values(324,"Anish",29,"Kothrud,Pune",19256),(215,"Pranav",19,"Sinhagad Road,Pune",15462),(124,"Advait",22,"Mahatma Society,Pune",22546);**

Query OK, 3 rows affected (0.00 sec)

Records: 3  Duplicates: 0  Warnings: 0

**mysql> select \* from Customer;**

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

| ID  | Name    | Age  | Address              | Salary |

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

| 124 | Advait  |   22 | Mahatma Society,Pune |  22546 |

| 215 | Pranav  |   19 | Sinhagad Road,Pune   |  15462 |

| 234 | Shreeya |   26 | Bavdhan,Pune         |  26424 |

| 324 | Anish   |   29 | Kothrud,Pune         |  19256 |

| 424 | Rajasi  |   24 | Aundh,Pune           |  25612 |

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

5 rows in set (0.00 sec)

**mysql> create table Orders(O\_ID int(5), O\_Date date,cust\_id int(5), amount int(10));**

Query OK, 0 rows affected, 3 warnings (0.02 sec)

**mysql> insert into Orders values(110,"2023-02-10",215,750);**

Query OK, 1 row affected (0.01 sec)

**mysql> insert into Orders values(120,"2023-04-15",324,1500),(130,"2023-06-23",424,1600);**

Query OK, 2 rows affected (0.00 sec)

Records: 2  Duplicates: 0  Warnings: 0

**mysql>  insert into Orders values(140,"2023-03-24",458,5600),(150,"2023-05-05",652,795);**

Query OK, 2 rows affected (0.01 sec)

Records: 2  Duplicates: 0  Warnings: 0

**mysql> select \* from Orders;**

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

| O\_ID | O\_Date     | cust\_id | amount |

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

|  110 | 2023-02-10 |     215 |    750 |

|  120 | 2023-04-15 |     324 |   1500 |

|  130 | 2023-06-23 |     424 |   1600 |

|  140 | 2023-03-24 |     458 |   5600 |

|  150 | 2023-05-05 |     652 |    795 |

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

5 rows in set (0.00 sec)

**mysql> select Customer.ID, Customer.Name,Orders.amount, Orders.O\_Date from Customer inner join Orders on Customer.ID = Orders.cust\_id;**

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

| ID  | Name   | amount | O\_Date     |

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

| 215 | Pranav |    750 | 2023-02-10 |

| 324 | Anish  |   1500 | 2023-04-15 |

| 424 | Rajasi |   1600 | 2023-06-23 |

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

3 rows in set (0.00 sec)

**mysql> select Customer.ID, Customer.Name, Orders.amount, Orders.O\_Date from Customer left join Orders on Customer.ID = Orders.cust\_id;**

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

| ID  | Name    | amount | O\_Date     |

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

| 124 | Advait  |   NULL | NULL       |

| 215 | Pranav  |    750 | 2023-02-10 |

| 234 | Shreeya |   NULL | NULL       |

| 324 | Anish   |   1500 | 2023-04-15 |

| 424 | Rajasi  |   1600 | 2023-06-23 |

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

5 rows in set (0.00 sec)

**mysql> select Customer.ID, Customer.Name, Orders.amount, Orders.O\_Date from Customer right join Orders on Customer.ID = Orders.cust\_id;**

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

| ID   | Name   | amount | O\_Date     |

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

|  215 | Pranav |    750 | 2023-02-10 |

|  324 | Anish  |   1500 | 2023-04-15 |

|  424 | Rajasi |   1600 | 2023-06-23 |

| NULL | NULL   |   5600 | 2023-03-24 |

| NULL | NULL   |    795 | 2023-05-05 |

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

5 rows in set (0.00 sec)

**mysql> select Customer.ID, Customer.Name, Orders.amount, Orders.O\_Date from Customer left join Orders on Customer.ID = Orders.cust\_id union all select Customer.ID, Customer.Name,Orders.amount, Orders.O\_Date from Customer right join Orders on Customer.ID = Orders.cust\_id;**

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

| ID   | Name    | amount | O\_Date     |

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

|  124 | Advait  |   NULL | NULL       |

|  215 | Pranav  |    750 | 2023-02-10 |

|  234 | Shreeya |   NULL | NULL       |

|  324 | Anish   |   1500 | 2023-04-15 |

|  424 | Rajasi  |   1600 | 2023-06-23 |

|  215 | Pranav  |    750 | 2023-02-10 |

|  324 | Anish   |   1500 | 2023-04-15 |

|  424 | Rajasi  |   1600 | 2023-06-23 |

| NULL | NULL    |   5600 | 2023-03-24 |

| NULL | NULL    |    795 | 2023-05-05 |

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

10 rows in set (0.00 sec)

**mysql> select Customer.ID, Customer.Name, Orders.amount, Orders.O\_Date from Customer left join Orders on Customer.ID = Orders.cust\_id union select Customer.ID, Customer.Name,Orders.amount, Orders.O\_Date from Customer right join Orders on Customer.ID = Orders.cust\_id;**

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

| ID   | Name    | amount | O\_Date     |

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

|  124 | Advait  |   NULL | NULL       |

|  215 | Pranav  |    750 | 2023-02-10 |

|  234 | Shreeya |   NULL | NULL       |

|  324 | Anish   |   1500 | 2023-04-15 |

|  424 | Rajasi  |   1600 | 2023-06-23 |

| NULL | NULL    |   5600 | 2023-03-24 |

| NULL | NULL    |    795 | 2023-05-05 |

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

7 rows in set (0.00 sec)

**mysql>  update Customer set Address = "Kothrud,Pune" where ID=124;**

Query OK, 1 row affected (0.00 sec)

Rows matched: 1  Changed: 1  Warnings: 0

**mysql> select s1.Address, s1.Name from Customer AS s1, Customer s2 where s1.Address = s2.Address;**

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

| Address            | Name    |

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

| Kothrud,Pune       | Anish   |

| Kothrud,Pune       | Advait  |

| Sinhagad Road,Pune | Pranav  |

| Bavdhan,Pune       | Shreeya |

| Kothrud,Pune       | Anish   |

| Kothrud,Pune       | Advait  |

| Aundh,Pune         | Rajasi  |

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

7 rows in set (0.00 sec)

**mysql> select t1.Name,t2.Name from Customer t1, Customer t2 where t1.Address = t2.Address;**

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

| Name    | Name    |

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

| Anish   | Advait  |

| Advait  | Advait  |

| Pranav  | Pranav  |

| Shreeya | Shreeya |

| Anish   | Anish   |

| Advait  | Anish   |

| Rajasi  | Rajasi  |

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

7 rows in set (0.00 sec)

**mysql> select Customer.ID, Customer.Name,Orders.amount, Orders.O\_Date from Customer cross join Orders;**

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

| ID  | Name    | amount | O\_Date     |

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

| 424 | Rajasi  |    750 | 2023-02-10 |

| 324 | Anish   |    750 | 2023-02-10 |

| 234 | Shreeya |    750 | 2023-02-10 |

| 215 | Pranav  |    750 | 2023-02-10 |

| 124 | Advait  |    750 | 2023-02-10 |

| 424 | Rajasi  |   1500 | 2023-04-15 |

| 324 | Anish   |   1500 | 2023-04-15 |

| 234 | Shreeya |   1500 | 2023-04-15 |

| 215 | Pranav  |   1500 | 2023-04-15 |

| 124 | Advait  |   1500 | 2023-04-15 |

| 424 | Rajasi  |   1600 | 2023-06-23 |

| 324 | Anish   |   1600 | 2023-06-23 |

| 234 | Shreeya |   1600 | 2023-06-23 |

| 215 | Pranav  |   1600 | 2023-06-23 |

| 124 | Advait  |   1600 | 2023-06-23 |

| 424 | Rajasi  |   5600 | 2023-03-24 |

| 324 | Anish   |   5600 | 2023-03-24 |

| 234 | Shreeya |   5600 | 2023-03-24 |

| 215 | Pranav  |   5600 | 2023-03-24 |

| 124 | Advait  |   5600 | 2023-03-24 |

| 424 | Rajasi  |    795 | 2023-05-05 |

| 324 | Anish   |    795 | 2023-05-05 |

| 234 | Shreeya |    795 | 2023-05-05 |

| 215 | Pranav  |    795 | 2023-05-05 |

| 124 | Advait  |    795 | 2023-05-05 |

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

25 rows in set (0.00 sec)

**mysql> select \* from Customer where Salary in (select Salary from Customer where Salary > 20000);**

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

| ID  | Name    | Age  | Address      | Salary |

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

| 124 | Advait  |   22 | Kothrud,Pune |  22546 |

| 234 | Shreeya |   26 | Bavdhan,Pune |  26424 |

| 424 | Rajasi  |   24 | Aundh,Pune   |  25612 |

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

3 rows in set (0.00 sec)

**mysql>  create table cust\_bkp(ID int(5), Name varchar(20), Age int(5),Salary int(10)) as (select ID,Name,Age,Salary from Customer);**

Query OK, 5 rows affected, 3 warnings (0.02 sec)

Records: 5  Duplicates: 0  Warnings: 3

**mysql> select \* from cust\_bkp;**

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

| ID   | Name    | Age  | Salary |

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

|  124 | Advait  |   22 |  22546 |

|  215 | Pranav  |   19 |  15462 |

|  234 | Shreeya |   26 |  26424 |

|  324 | Anish   |   29 |  19256 |

|  424 | Rajasi  |   24 |  25612 |

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

5 rows in set (0.00 sec)

**mysql> update Customer set Salary = Salary+0.1\*Salary where Age in (select Age from cust\_bkp where Age >=24);**

Query OK, 3 rows affected (0.00 sec)

Rows matched: 3  Changed: 3  Warnings: 0

**mysql> select \* from Customer;**

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

| ID  | Name    | Age  | Address            | Salary |

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

| 124 | Advait  |   22 | Kothrud,Pune       |  22546 |

| 215 | Pranav  |   19 | Sinhagad Road,Pune |  15462 |

| 234 | Shreeya |   26 | Bavdhan,Pune       |  29066 |

| 324 | Anish   |   29 | Kothrud,Pune       |  21182 |

| 424 | Rajasi  |   24 | Aundh,Pune         |  28173 |

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

5 rows in set (0.00 sec)

**mysql> delete from Customer where Age in (select Age from cust\_bkp where Age>26);**

Query OK, 1 row affected (0.01 sec)

**mysql> select \* from Customer;**

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

| ID  | Name    | Age  | Address            | Salary |

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

| 124 | Advait  |   22 | Kothrud,Pune       |  22546 |

| 215 | Pranav  |   19 | Sinhagad Road,Pune |  15462 |

| 234 | Shreeya |   26 | Bavdhan,Pune       |  29066 |

| 424 | Rajasi  |   24 | Aundh,Pune         |  28173 |

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

4 rows in set (0.00 sec)

**mysql> commit;**

Query OK, 0 rows affected (0.00 sec)