

```
mysql> use mydb;
```

```
Database changed
```

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

```
+-----+-----+-----+-----+
| id  | name   | salary | dno  |
+-----+-----+-----+-----+
| 101 | Domnic | 3000   | 10   |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> select * from tbl_employee1;
```

```
+-----+-----+-----+-----+
| id  | name   | salary | dno  |
+-----+-----+-----+-----+
| 101 | Domnic | 3000   | 10   |
| 102 | Dev    | 3000   | 20   |
| 103 | Shiva  | 3000   | 20   |
| 104 | Purush | 3000   | 10   |
| 105 | Mahesh | 2000   | 20   |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> select dno,count(*) from tbl_employee1 group by dno;
```

```
+-----+-----+
| dno  | count(*) |
+-----+-----+
| 10   | 2        |
| 20   | 3        |
+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> select dno,count(*) from tbl_employee1 group by dno having
min(salary)=3000;
```

```
+-----+-----+
| dno  | count(*) |
+-----+-----+
| 10   | 2        |
+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> select name from tbl_employee1;
```

```
+-----+
| name  |
+-----+
| Domnic |
```

```

| Dev      |
| Shiva    |
| Purush   |
| Mahesh   |
+-----+
5 rows in set (0.00 sec)

```

```

mysql> select upper(name) from tbl_employee;
+-----+
| upper(name) |
+-----+
| DOMNIC      |
+-----+
1 row in set (0.00 sec)

```

```

mysql> select upper(name) from tbl_employee1;
+-----+
| upper(name) |
+-----+
| DOMNIC      |
| DEV         |
| SHIVA       |
| PURUSH      |
| MAHESH      |
+-----+
5 rows in set (0.00 sec)

```

```

mysql> create view myview as select * from tbl_employee1 where dno=10;
Query OK, 0 rows affected (0.01 sec)

```

```

mysql> select * from Myview;
+-----+-----+-----+-----+
| id  | name   | salary | dno  |
+-----+-----+-----+-----+
| 101 | Domnic | 3000   | 10   |
| 104 | Purush | 3000   | 10   |
+-----+-----+-----+-----+
2 rows in set (0.01 sec)

```

```

mysql> update myview set salary =7000 where id=101;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

```

```
mysql> select * from Myview;
```

```
+-----+-----+-----+-----+
| id  | name   | salary | dno  |
+-----+-----+-----+-----+
| 101 | Domnic | 7000   | 10   |
| 104 | Purush | 3000   | 10   |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> select * from tbl_employee1;
```

```
+-----+-----+-----+-----+
| id  | name   | salary | dno  |
+-----+-----+-----+-----+
| 101 | Domnic | 7000   | 10   |
| 102 | Dev    | 3000   | 20   |
| 103 | Shiva  | 3000   | 20   |
| 104 | Purush | 3000   | 10   |
| 105 | Mahesh | 2000   | 20   |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> update tbl_employee1 set salary=4500 where id=104;
```

```
Query OK, 1 row affected (0.00 sec)
```

```
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select * from tbl_employee1;
```

```
+-----+-----+-----+-----+
| id  | name   | salary | dno  |
+-----+-----+-----+-----+
| 101 | Domnic | 7000   | 10   |
| 102 | Dev    | 3000   | 20   |
| 103 | Shiva  | 3000   | 20   |
| 104 | Purush | 4500   | 10   |
| 105 | Mahesh | 2000   | 20   |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> select * from Myview;
```

```
+-----+-----+-----+-----+
| id  | name   | salary | dno  |
+-----+-----+-----+-----+
| 101 | Domnic | 7000   | 10   |
| 104 | Purush | 4500   | 10   |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Query OK, 0 rows affected (0.04 sec)

mysql> insert into agents values('A101','agent1','chennai');

Query OK, 1 row affected (0.01 sec)

mysql> insert into agents values('A102','agent2','chennai');

Query OK, 1 row affected (0.01 sec)

mysql> insert into agents values('A103','agent3','bangalore');

Query OK, 1 row affected (0.01 sec)

mysql> insert into agents values('A104','agent4','bangalore');

Query OK, 1 row affected (0.01 sec)

mysql> select * from agents;

```
+-----+-----+-----+
| AGENT_CODE | AGENT_NAME | WORKING_AREA |
+-----+-----+-----+
| A101      | agent1     | chennai      |
| A102      | agent2     | chennai      |
| A103      | agent3     | bangalore     |
| A104      | agent4     | bangalore     |
+-----+-----+-----+
4 rows in set (0.00 sec)
```

mysql> create table customers(CUSTOMER_CODE VARCHAR(4),CUSTOMER_NAME VARCHAR(10),CUSTOMER_AREA VARCHAR(15));

Query OK, 0 rows affected (0.03 sec)

mysql> insert into CUSTOMERS values ('C101','customer1','chennai');

Query OK, 1 row affected (0.01 sec)

mysql> insert into CUSTOMERS values ('C102','customer2','chennai');

Query OK, 1 row affected (0.00 sec)

mysql> insert into CUSTOMERS values ('C103','customer3','chennai');

Query OK, 1 row affected (0.01 sec)

mysql> insert into CUSTOMERS values ('C104','customer4','bangalore');

Query OK, 1 row affected (0.01 sec)

mysql> insert into CUSTOMERS values ('C105','customer5','bangalore');

Query OK, 1 row affected (0.01 sec)

mysql> select * from customers;

```

+-----+-----+-----+
| CUSTOMER_CODE | CUSTOMER_NAME | CUSTOMER_AREA |
+-----+-----+-----+
| C101          | customer1     | chennai       |
| C102          | customer2     | chennai       |
| C103          | customer3     | chennai       |
| C104          | customer4     | bangalore     |
| C105          | customer5     | bangalore     |
+-----+-----+-----+
5 rows in set (0.00 sec)

```

mysql> select * from agents;

```

+-----+-----+-----+
| AGENT_CODE | AGENT_NAME | WORKING_AREA |
+-----+-----+-----+
| A101       | agent1     | chennai      |
| A102       | agent2     | chennai      |
| A103       | agent3     | bangalore    |
| A104       | agent4     | bangalore    |
+-----+-----+-----+
4 rows in set (0.00 sec)

```

**mysql> select
agents.agent_code,agents.agent_name,customers.customer_name from
agents,customers where agents.working_area=customers.customer_area;**

```

+-----+-----+-----+
| agent_code | agent_name | customer_name |
+-----+-----+-----+
| A102       | agent2     | customer1     |
| A101       | agent1     | customer1     |
| A102       | agent2     | customer2     |
| A101       | agent1     | customer2     |
| A102       | agent2     | customer3     |
| A101       | agent1     | customer3     |
| A104       | agent4     | customer4     |
| A103       | agent3     | customer4     |
| A104       | agent4     | customer5     |
| A103       | agent3     | customer5     |
+-----+-----+-----+
10 rows in set (0.00 sec)

```

**mysql> select
agents.agent_code,agents.agent_name,customers.customer_name from
agents,customers where agents.working_area=customers.customer_area
order by agent_code;**

agent_code	agent_name	customer_name
A101	agent1	customer1
A101	agent1	customer2
A101	agent1	customer3
A102	agent2	customer1
A102	agent2	customer2
A102	agent2	customer3
A103	agent3	customer4
A103	agent3	customer5
A104	agent4	customer4
A104	agent4	customer5

10 rows in set (0.00 sec)

```
mysql> select a.agent_code,a.agent_name,c.customer_name from agents
a,customers c where a.working_area=c.customer_area order by
agent_code;
```

agent_code	agent_name	customer_name
A101	agent1	customer1
A101	agent1	customer2
A101	agent1	customer3
A102	agent2	customer1
A102	agent2	customer2
A102	agent2	customer3
A103	agent3	customer4
A103	agent3	customer5
A104	agent4	customer4
A104	agent4	customer5

10 rows in set (0.00 sec)

```
mysql> select a.agent_code,a.agent_name,c.customer_name from agents a
join customers c on a.working_area=c.customer_area order by
agent_code;
```

agent_code	agent_name	customer_name
A101	agent1	customer1
A101	agent1	customer2
A101	agent1	customer3
A102	agent2	customer1

A102	agent2	customer2
A102	agent2	customer3
A103	agent3	customer4
A103	agent3	customer5
A104	agent4	customer4
A104	agent4	customer5

10 rows in set (0.00 sec)

```
mysql> select a.agent_code,a.agent_name,c.customer_name from agents a
inner join customers c on a.working_area!=c.customer_area order by
agent_code;
```

agent_code	agent_name	customer_name
A101	agent1	customer4
A101	agent1	customer5
A102	agent2	customer4
A102	agent2	customer5
A103	agent3	customer1
A103	agent3	customer2
A103	agent3	customer3
A104	agent4	customer1
A104	agent4	customer2
A104	agent4	customer3

10 rows in set (0.00 sec)

```
mysql> insert into agents values ('A105','agent5','dubai');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into customers values ('C106','customer6','Malasiya');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> select a.agent_code,a.agent_name,c.customer_name from agents a
left outer join customers c on a.working_area=c.customer_area order by
agent_code;
```

agent_code	agent_name	customer_name
A101	agent1	customer3
A101	agent1	customer2
A101	agent1	customer1
A102	agent2	customer3
A102	agent2	customer2

A102	agent2	customer1
A103	agent3	customer5
A103	agent3	customer4
A104	agent4	customer5
A104	agent4	customer4
A105	agent5	NULL

11 rows in set (0.00 sec)

```
mysql> select a.agent_code,a.agent_name,c.customer_name from agents a
right outer join customers c on a.working_area=c.customer_area order
by agent_code;
```

agent_code	agent_name	customer_name
NULL	NULL	customer6
A101	agent1	customer1
A101	agent1	customer2
A101	agent1	customer3
A102	agent2	customer1
A102	agent2	customer2
A102	agent2	customer3
A103	agent3	customer4
A103	agent3	customer5
A104	agent4	customer4
A104	agent4	customer5

11 rows in set (0.00 sec)

```
mysql> select * from agents cross join customers;
```

AGENT_CODE	AGENT_NAME	WORKING_AREA	CUSTOMER_CODE	CUSTOMER_NAME	CUSTOMER_AREA
A105	agent5	dubai	C101	customer1	chennai
A104	agent4	bangalore	C101	customer1	chennai
A103	agent3	bangalore	C101	customer1	chennai
A102	agent2	chennai	C101	customer1	chennai
A101	agent1	chennai	C101	customer1	chennai
A105	agent5	dubai	C102	customer2	chennai
A104	agent4	bangalore	C102	customer2	chennai
A103	agent3	bangalore	C102	customer2	chennai
A102	agent2	chennai	C102	customer2	chennai
A101	agent1	chennai	C102	customer2	chennai
A105	agent5	dubai	C103	customer3	chennai
A104	agent4	bangalore	C103	customer3	chennai
A103	agent3	bangalore	C103	customer3	chennai
A102	agent2	chennai	C103	customer3	chennai
A101	agent1	chennai	C103	customer3	chennai
A105	agent5	dubai	C104	customer4	bangalore
A104	agent4	bangalore	C104	customer4	bangalore
A103	agent3	bangalore	C104	customer4	bangalore

A102	agent2	chennai	C104	customer4	bangalore	
A101	agent1	chennai	C104	customer4	bangalore	
A105	agent5	dubai	C105	customer5	bangalore	
A104	agent4	bangalore	C105	customer5	bangalore	
A103	agent3	bangalore	C105	customer5	bangalore	
A102	agent2	chennai	C105	customer5	bangalore	
A101	agent1	chennai	C105	customer5	bangalore	
A105	agent5	dubai	C106	customer6	Malasiya	
A104	agent4	bangalore	C106	customer6	Malasiya	
A103	agent3	bangalore	C106	customer6	Malasiya	
A102	agent2	chennai	C106	customer6	Malasiya	
A101	agent1	chennai	C106	customer6	Malasiya	
+-----+-----+-----+-----+-----+-----+						

30 rows in set (0.00 sec)