

**Name : Gayathri Devi**

**ID : 11954**

**Day 5 : 05.10.2023**

Enter password: \*\*\*\*

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

Your MySQL connection id is 26

Server version: 8.0.33 MySQL Community Server - GPL

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

**mysql> show databases;**

```
+-----+
| Database      |
+-----+
| assignments   |
| day1_mysql database |
| day4assignment |
| gayathrikuppusamy |
| information_schema |
| mysql         |
| performance_schema |
| sakila        |
| sys           |
| world         |
+-----+
```

10 rows in set (0.01 sec)

**mysql> use day1\_mysql database;**

Database changed

**mysql> show tables;**

```
+-----+
| Tables_in_day1_mysql database |
+-----+
```

```

+-----+
| tbl_dept          |
| tbl_employee      |
| tbl_employee1     |
| tbl_employee2     |
| tbl_student       |
+-----+
5 rows in set (0.01 sec)

```

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

```

+----+-----+-----+-----+
| eid | ename  | esal | dno |
+----+-----+-----+-----+
| 101 | Gayathri | 1000 | 10 |
| 102 | Devi    | 1000 | 20 |
+----+-----+-----+-----+
2 rows in set (0.00 sec)

```

**mysql> select \* from tbl\_employee1;**

```

+----+-----+-----+-----+
| eid | ename  | esal | dno |
+----+-----+-----+-----+
| 101 | Gayathri | 1000 | 10 |
| 102 | Devi    | 1000 | 20 |
| 103 | Naveen  | 2000 | 20 |
| 104 | Pravin  | 3000 | 20 |
| 105 | Muthu   | 4000 | 10 |
+----+-----+-----+-----+
5 rows in set (0.00 sec)

```

**mysql> select \* from tbl\_employee2;**

Empty set (0.00 sec)

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

```

+----+-----+-----+
| srno | sname | smarks |
+----+-----+-----+
| 1 | Sakthi | 100 |
| 2 | vel | 1000 |
| 3 | Sakthi | 100000000 |

```

98	vel	1000
99	Sakthi	0

5 rows in set (0.00 sec)

**mysql> select \* from tbl\_employee1;**

eid	ename	esal	dno
101	Gayathri	1000	10
102	Devi	1000	20
103	Naveen	2000	20
104	Pravin	3000	20
105	Muthu	4000	10

5 rows in set (0.00 sec)

mysql> select dno, count(\*) from tbl\_employee1;

ERROR 1140 (42000): In aggregated query without GROUP BY, expression #1 of SELECT list contains nonaggregated column 'day1\_mysqlatabase.tbl\_employee1.dno'; this is incompatible with sql\_mode=only\_full\_group\_by

**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(esal)=1000;**

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(esal)=4000;
```

Empty set (0.00 sec)

```
mysql> select dno, count(*) from tbl_employee1 group by dno having min(esal)=2000;
```

Empty set (0.00 sec)

```
mysql> select ename from tbl_employee1;
```

```
+-----+
```

```
| ename |
```

```
+-----+
```

```
| Gayathri |
```

```
| Devi |
```

```
| Naveen |
```

```
| Pravin |
```

```
| Muthu |
```

```
+-----+
```

5 rows in set (0.00 sec)

```
mysql> select upper(ename) from tbl_employee1;
```

```
+-----+
```

```
| upper(ename) |
```

```
+-----+
```

```
| GAYATHRI |
```

```
| DEVI |
```

```
| NAVEEN |
```

```
| PRAVIN |
```

```
| MUTHU |
```

```
+-----+
```

5 rows in set (0.00 sec)

```
mysql> select lower(ename) from tbl_employee1;
```

```
+-----+
```

```
| lower(ename) |
```

```
+-----+
```

```
| gayathri |
```

```
| devi |
```

```
| naveen |
```

```
| pravin |
```

```
| muthu |
```

```
+-----+
```

5 rows in set (0.00 sec)

```
mysql> select title(ename) from tbl_employee1;
ERROR 1305 (42000): FUNCTION day1_mysqlatabase.title does not exist
mysql> select titlecase(ename) from tbl_employee1;
ERROR 1305 (42000): FUNCTION day1_mysqlatabase.titlecase does not exist
mysql> select * from tbl_employee1 order by asc;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'asc' at line 1
mysql> select * from tbl_employee1 order by ascn;
ERROR 1054 (42S22): Unknown column 'ascn' in 'order clause'
mysql> select * from tbl_employee1 orderby ename ascn;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'ename ascn' at line 1
mysql> select * from tbl_employee1 order by ename ascn;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'ascn' at line 1
```

**mysql> select \* from tbl\_employee1 order by eid asc;**

```
+-----+-----+-----+-----+
| eid | ename  | esal | dno |
+-----+-----+-----+-----+
| 101 | Gayathri | 1000 | 10 |
| 102 | Devi    | 1000 | 20 |
| 103 | Naveen  | 2000 | 20 |
| 104 | Pravin  | 3000 | 20 |
| 105 | Muthu   | 4000 | 10 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

**mysql> select \* from tbl\_employee1 order by ename asc;**

```
+-----+-----+-----+-----+
| eid | ename  | esal | dno |
+-----+-----+-----+-----+
| 102 | Devi    | 1000 | 20 |
| 101 | Gayathri | 1000 | 10 |
| 105 | Muthu   | 4000 | 10 |
| 103 | Naveen  | 2000 | 20 |
| 104 | Pravin  | 3000 | 20 |
+-----+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> select * from tbl_employee1 order by eid desc;
```

eid	ename	esal	dno
105	Muthu	4000	10
104	Pravin	3000	20
103	Naveen	2000	20
102	Devi	1000	20
101	Gayathri	1000	10

5 rows in set (0.00 sec)

```
mysql> create view tbl_myview as select * from tbl_employee1 where dno = 10;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from tbl_myview;
```

eid	ename	esal	dno
101	Gayathri	1000	10
105	Muthu	4000	10

2 rows in set (0.00 sec)

```
mysql> update tbl_myview set esal=3000 where eid=101;
```

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> select * from tbl_myview;
```

eid	ename	esal	dno
101	Gayathri	3000	10
105	Muthu	4000	10

2 rows in set (0.00 sec)

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

```

+-----+-----+-----+-----+
| eid | ename   | esal | dno |
+-----+-----+-----+-----+
| 101 | Gayathri | 3000 | 10 |
| 102 | Devi     | 1000 | 20 |
| 103 | Naveen   | 2000 | 20 |
| 104 | Pravin   | 3000 | 20 |
| 105 | Muthu    | 4000 | 10 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

```

**mysql> desc tbl\_employee1;**

```

+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| eid   | int       | NO   |     | NULL    |       |
| ename | varchar(20) | YES  |     | NULL    |       |
| esal  | int       | YES  |     | NULL    |       |
| dno   | int       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

**mysql> insert into tbl\_myview values(106,"Sakthi",5000,10);**

Query OK, 1 row affected (0.00 sec)

**mysql> insert into tbl\_myview values(107,"Yazhan",6000,20);**

Query OK, 1 row affected (0.00 sec)

**mysql> commit;**

Query OK, 0 rows affected (0.00 sec)

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

```

+-----+-----+-----+-----+
| eid | ename   | esal | dno |
+-----+-----+-----+-----+
| 101 | Gayathri | 3000 | 10 |
| 105 | Muthu    | 4000 | 10 |
| 106 | Sakthi   | 5000 | 10 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

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

```
+-----+-----+-----+-----+
| eid | ename  | esal | dno |
+-----+-----+-----+-----+
| 101 | Gayathri | 3000 | 10 |
| 102 | Devi    | 1000 | 20 |
| 103 | Naveen  | 2000 | 20 |
| 104 | Pravin  | 3000 | 20 |
| 105 | Muthu   | 4000 | 10 |
| 106 | Sakthi  | 5000 | 10 |
| 107 | Yazhan  | 6000 | 20 |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> update tbl_employee1 set esal = null where dno=10;
```

Query OK, 3 rows affected (0.00 sec)

Rows matched: 3 Changed: 3 Warnings: 0

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

```
+-----+-----+-----+-----+
| eid | ename  | esal | dno |
+-----+-----+-----+-----+
| 101 | Gayathri | NULL | 10 |
| 102 | Devi    | 1000 | 20 |
| 103 | Naveen  | 2000 | 20 |
| 104 | Pravin  | 3000 | 20 |
| 105 | Muthu   | NULL | 10 |
| 106 | Sakthi  | NULL | 10 |
| 107 | Yazhan  | 6000 | 20 |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> select * from tbl_myview;
```

```
+-----+-----+-----+-----+
| eid | ename  | esal | dno |
+-----+-----+-----+-----+
| 101 | Gayathri | NULL | 10 |
| 105 | Muthu   | NULL | 10 |
| 106 | Sakthi  | NULL | 10 |
+-----+-----+-----+-----+
```



```
+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> show table;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near " at line 1

```
mysql> show tables;
```

```
+-----+
```

```
| Tables_in_day1_mysqlatabase |
```

```
+-----+
```

```
| tbl_dept |
```

```
| tbl_employee |
```

```
| tbl_employee1 |
```

```
| tbl_employee2 |
```

```
| tbl_myview |
```

```
| tbl_student |
```

```
+-----+
```

6 rows in set (0.00 sec)

```
mysql> create table tbl_agents(agent_code varchar(5),agent_name varchar(20),  
working_area varchar(20));
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> desc tbl_agent;
```

ERROR 1146 (42S02): Table 'day1\_mysqlatabase.tbl\_agent' doesn't exist

```
mysql> desc tbl_agents;
```

```
+-----+-----+-----+-----+
```

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

```
+-----+-----+-----+-----+
```

```
| agent_code | varchar(5) | YES | | NULL | |
```

```
| agent_name | varchar(20) | YES | | NULL | |
```

```
| working_area | varchar(20) | YES | | NULL | |
```

```
+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> insert into tbl_agents values("A101","agent1",Chennai);
```

```
">
```

```
"> ;
```

```
"> ^C
```

```
mysql>
```

```
mysql> insert into tbl_agents values("A101","agent1","Chennai");
```

Query OK, 1 row affected (0.01 sec)

```
mysql> insert into tbl_agents values("A102","agent2","Chennai");
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into tbl_agents values("A103","agent3","Bangalore");
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into tbl_agents values("A104","agent4","Bangalore");
```

Query OK, 1 row affected (0.00 sec)

```
mysql> commit;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> select * from tbl_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 tbl_customers(customer_code varchar(5),customer_name
varchar(20),customer_area varchar(20));
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> desc tbl_customers;
```

```
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| customer_code | varchar(5) | YES  |     | NULL    |      |
| customer_name | varchar(20) | YES  |     | NULL    |      |
| customer_area | varchar(20) | YES  |     | NULL    |      |
+-----+-----+-----+-----+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> insert into tbl_customers (customer_code,customer_name,customer_area) values
("C101","customer1","Chennai"),("C102","customer2","Chennai");
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near " at line 1

```
mysql> insert into tbl_customers (customer_code,customer_name,customer_area) values
("C101","customer1","Chennai"),("C102","customer2","Chennai");
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near " at line 1

```
mysql> insert into tbl_customers (customer_code,customer_name,customer_area) values
("C101","customer1","Chennai"),("C102","customer2","Chennai"),("C103","customer3",
,"Chennai"),("C104","customer4","Bangalore"), ("C105","customer5","Bangalore");
```

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

```
mysql> commit;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> select * from tbl_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 tbl_agents.agent_code,tbl_agents.agent_name,tbl_cusotomers.customer_name
from tbl_agents,tbl_customers where tbl_agents.working_area = tbl_customers.customer_area;
ERROR 1054 (42S22): Unknown column 'tbl_cusotomers.customer_name' in 'field list'
```

```
mysql> select tbl_agents.agent_code,tbl_agents.agent_name,tbl_customers.customer_name
from tbl_agents,tbl_customers where tbl_agents.working_area =
tbl_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 tbl_agents.agent_code,tbl_agents.agent_name,tbl_customers.customer_name
from tbl_agents,tbl_customers where tbl_agents.working_area =
tbl_customers.customer_area order by tbl_agents.agent_code asc;
```

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 tbl_agents a,tbl_customers c
where a.working_area = c.customer_area;
"> ^C
```

```
mysql> select a.agent_code,a.agent_name,c.customer_name from tbl_agents
a,tbl_customers c where a.working_area = c.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 a.agent_code,a.agent_name,c.customer_name from tbl_agents
a,tbl_customers c where a.working_area = c.customer_area order by a.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 tbl_agents a,tbl_customers c
on a.working_area = c.customer_area order by a.agent_code;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'on a.working_area =
c.customer_area order by a.agent_code' at line 1
mysql> select a.agent_code,a.agent_name,c.customer_name from tbl_agents a,tbl_customers c
on a.working_area = c.customer_area;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'on a.working\_area = c.customer\_area' at line 1

```
mysql> select a.agent_code,a.agent_name,c.customer_name from tbl_agents a join  
tbl_customers c on a.working_area = c.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> commit;
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> select a.agent_code,a.agent_name,c.customer_name from tbl_agents a inner join  
tbl_customers c on a.working_area = c.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 a.agent_code,a.agent_name,c.customer_name from tbl_agents a inner join  
tbl_customers c on a.working_area != c.customer_area;
```

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

| agent\_code | agent\_name | customer\_name |

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

| A104 | agent4 | customer1 |

| A103 | agent3 | customer1 |

| A104 | agent4 | customer2 |

| A103 | agent3 | customer2 |

| A104 | agent4 | customer3 |

| A103 | agent3 | customer3 |

| A102 | agent2 | customer4 |

| A101 | agent1 | customer4 |

| A102 | agent2 | customer5 |

| A101 | agent1 | customer5 |

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

10 rows in set (0.00 sec)

```
mysql> select a.agent_code,a.agent_name,c.customer_name from tbl_agents a inner join  
tbl_customers c on a.working_area != c.customer_area order by a.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 tbl_agents values("A105","agent5","Sivakasi");
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into tbl_agents values("A106","agent6","Srivi");
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into tbl_customers values("C106","customer6","Rjpm");
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into tbl_customers values("C107","customer7","Ttl");
```

Query OK, 1 row affected (0.00 sec)

```
mysql> select * tbl_agents;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'tbl\_agents' at line 1

```
mysql> select * from tbl_agents;
```

```
+-----+-----+-----+
| agent_code | agent_name | working_area |
+-----+-----+-----+
| A101      | agent1     | Chennai     |
| A102      | agent2     | Chennai     |
| A103      | agent3     | Bangalore   |
| A104      | agent4     | Bangalore   |
| A105      | agent5     | Sivakasi    |
| A106      | agent6     | Srivi       |
+-----+-----+-----+
```

6 rows in set (0.00 sec)

```
mysql> select * from tbl_customers;
```

```
+-----+-----+-----+
| customer_code | customer_name | customer_area |
+-----+-----+-----+
| C101          | customer1     | Chennai       |
| C102          | customer2     | Chennai       |
| C103          | customer3     | Chennai       |
| C104          | customer4     | Bangalore     |
| C105          | customer5     | Bangalore     |
| C106          | customer6     | Rjpm          |
| C107          | customer7     | Ttl           |
+-----+-----+-----+
```

7 rows in set (0.00 sec)



```
mysql> select * from tbl_agents a left outer join tbl_customers c on a.working_area !=
c.customer_area;
```

agent_code	agent_name	working_area	customer_code	customer_name	customer_area
A101	agent1	Chennai	C107	customer7	Ttl
A101	agent1	Chennai	C106	customer6	Rjpm
A101	agent1	Chennai	C105	customer5	Bangalore
A101	agent1	Chennai	C104	customer4	Bangalore
A102	agent2	Chennai	C107	customer7	Ttl
A102	agent2	Chennai	C106	customer6	Rjpm
A102	agent2	Chennai	C105	customer5	Bangalore
A102	agent2	Chennai	C104	customer4	Bangalore
A103	agent3	Bangalore	C107	customer7	Ttl
A103	agent3	Bangalore	C106	customer6	Rjpm
A103	agent3	Bangalore	C103	customer3	Chennai
A103	agent3	Bangalore	C102	customer2	Chennai
A103	agent3	Bangalore	C101	customer1	Chennai
A104	agent4	Bangalore	C107	customer7	Ttl
A104	agent4	Bangalore	C106	customer6	Rjpm
A104	agent4	Bangalore	C103	customer3	Chennai
A104	agent4	Bangalore	C102	customer2	Chennai
A104	agent4	Bangalore	C101	customer1	Chennai
A105	agent5	Sivakasi	C107	customer7	Ttl
A105	agent5	Sivakasi	C106	customer6	Rjpm
A105	agent5	Sivakasi	C105	customer5	Bangalore
A105	agent5	Sivakasi	C104	customer4	Bangalore
A105	agent5	Sivakasi	C103	customer3	Chennai
A105	agent5	Sivakasi	C102	customer2	Chennai
A105	agent5	Sivakasi	C101	customer1	Chennai
A106	agent6	Srivi	C107	customer7	Ttl
A106	agent6	Srivi	C106	customer6	Rjpm
A106	agent6	Srivi	C105	customer5	Bangalore
A106	agent6	Srivi	C104	customer4	Bangalore
A106	agent6	Srivi	C103	customer3	Chennai
A106	agent6	Srivi	C102	customer2	Chennai
A106	agent6	Srivi	C101	customer1	Chennai

32 rows in set (0.00 sec)

```
mysql> select * from tbl_agents a left outer join tbl_customers c on a.working_area = c.customer_area;
```

agent_code	agent_name	working_area	customer_code	customer_name	customer_area
A101	agent1	Chennai	C103	customer3	Chennai
A101	agent1	Chennai	C102	customer2	Chennai
A101	agent1	Chennai	C101	customer1	Chennai
A102	agent2	Chennai	C103	customer3	Chennai
A102	agent2	Chennai	C102	customer2	Chennai
A102	agent2	Chennai	C101	customer1	Chennai
A103	agent3	Bangalore	C105	customer5	Bangalore
A103	agent3	Bangalore	C104	customer4	Bangalore
A104	agent4	Bangalore	C105	customer5	Bangalore
A104	agent4	Bangalore	C104	customer4	Bangalore
A105	agent5	Sivakasi	NULL	NULL	NULL
A106	agent6	Srivi	NULL	NULL	NULL

12 rows in set (0.00 sec)

```
mysql> select * from tbl_agents a right outer join tbl_customers c on a.working_area = c.customer_area;
```

agent_code	agent_name	working_area	customer_code	customer_name	customer_area
A102	agent2	Chennai	C101	customer1	Chennai
A101	agent1	Chennai	C101	customer1	Chennai
A102	agent2	Chennai	C102	customer2	Chennai
A101	agent1	Chennai	C102	customer2	Chennai
A102	agent2	Chennai	C103	customer3	Chennai
A101	agent1	Chennai	C103	customer3	Chennai
A104	agent4	Bangalore	C104	customer4	Bangalore
A103	agent3	Bangalore	C104	customer4	Bangalore
A104	agent4	Bangalore	C105	customer5	Bangalore
A103	agent3	Bangalore	C105	customer5	Bangalore
NULL	NULL	NULL	C106	customer6	Rjpm
NULL	NULL	NULL	C107	customer7	Ttl

12 rows in set (0.00 sec)

```
mysql> select * from tbl_agents a full outer join tbl_customers c on a.working_area = c.customer_area;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'full outer join tbl\_customers c on a.working\_area = c.customer\_area' at line 1

```
mysql> select * from tbl_agents a outer join tbl_customers c on a.working_area = c.customer_area;
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'outer join tbl\_customers c on a.working\_area = c.customer\_area' at line 1

```
mysql> select * from tbl_agents a cross join tbl_customers;
```

```
+-----+-----+-----+-----+-----+-----+
| agent_code | agent_name | working_area | customer_code | customer_name | customer_area |
+-----+-----+-----+-----+-----+-----+
| A106      | agent6     | Srivi       | C101         | customer1     | Chennai      |
| A105      | agent5     | Sivakasi    | 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      |
| A106      | agent6     | Srivi       | C102         | customer2     | Chennai      |
| A105      | agent5     | Sivakasi    | 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      |
| A106      | agent6     | Srivi       | C103         | customer3     | Chennai      |
| A105      | agent5     | Sivakasi    | 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      |
| A106      | agent6     | Srivi       | C104         | customer4     | Bangalore    |
| A105      | agent5     | Sivakasi    | 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    |
```

A106	agent6	Srivi	C105	customer5	Bangalore	
A105	agent5	Sivakasi	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	
A106	agent6	Srivi	C106	customer6	Rjpm	
A105	agent5	Sivakasi	C106	customer6	Rjpm	
A104	agent4	Bangalore	C106	customer6	Rjpm	
A103	agent3	Bangalore	C106	customer6	Rjpm	
A102	agent2	Chennai	C106	customer6	Rjpm	
A101	agent1	Chennai	C106	customer6	Rjpm	
A106	agent6	Srivi	C107	customer7	Ttl	
A105	agent5	Sivakasi	C107	customer7	Ttl	
A104	agent4	Bangalore	C107	customer7	Ttl	
A103	agent3	Bangalore	C107	customer7	Ttl	
A102	agent2	Chennai	C107	customer7	Ttl	
A101	agent1	Chennai	C107	customer7	Ttl	

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

42 rows in set (0.00 sec)

mysql>