

## Create Table Salesperson

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MySQL 8.0 Command Line Client
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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database Task4;
Query OK, 1 row affected (0.01 sec)

mysql> use Task4;
Database changed
mysql> create table Salesperson(S_no int PRIMARY KEY,S_Name varchar(20),City varchar(20),COMM float);
Query OK, 0 rows affected (0.02 sec)

mysql> insert into Salesperson values(1001,"Peel","London",.12),(1002,"Serres","San Jose",.13),(1004,"Motika","London",.15),(1007,"Rafkin","Barcelona",.15),(1003,"Axelfood","New York",.1);
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> select * from Salesperson;
+-----+-----+-----+-----+
| S_no | S_Name | City | COMM |
+-----+-----+-----+-----+
| 1001 | Peel   | London | 0.12 |
| 1002 | Serres | San Jose | 0.13 |
| 1003 | Axelfood | New York | 0.1 |
| 1004 | Motika | London | 0.15 |
| 1007 | Rafkin | Barcelona | 0.15 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> DESC Salesperson;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| S_no | int | NO | PRI | NULL | |
| S_Name | varchar(20) | YES | | NULL | |
| City | varchar(20) | YES | | NULL | |
| COMM | float | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
```

## Create Table Customer

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+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> create table CUSTOMER(CNM int PRIMARY KEY,C_Name varchar(20),City varchar(20),Rating int,S_no int,
-> FOREIGN KEY (S_no)
-> REFERENCES Salesperson(S_no)
-> ON DELETE CASCADE
-> ON UPDATE CASCADE);
Query OK, 0 rows affected (0.02 sec)

mysql> insert into CUSTOMER values(201,"Hoffman","London",100,1001),(202,"Giovanne","Roe",200,1003),(203,"Liu","San Jose",300,1002),(204,"Grass","Barcelona",100,1002),(206,"Clemenas","London",300,1007),(207,"Pereira","Roe",100,1004);
Query OK, 6 rows affected (0.01 sec)
Records: 6 Duplicates: 0 Warnings: 0

mysql> select * from CUSTOMER;
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 'fromCUSTOMER'
at line 1
mysql> select * from CUSTOMER;
+-----+-----+-----+-----+-----+
| CNM | C_Name | City | Rating | S_no |
+-----+-----+-----+-----+-----+
| 201 | Hoffman | London | 100 | 1001 |
| 202 | Giovanne | Roe | 200 | 1003 |
| 203 | Liu | San Jose | 300 | 1002 |
| 204 | Grass | Barcelona | 100 | 1002 |
| 206 | Clemenas | London | 300 | 1007 |
| 207 | Pereira | Roe | 100 | 1004 |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> DESC CUSTOMER;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| CNM | int | NO | PRI | NULL | |
| C_Name | varchar(20) | YES | | NULL | |
| City | varchar(20) | YES | | NULL | |
| Rating | int | YES | | NULL | |
| S_no | int | YES | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

- b) Names and cities of all salespeople in London with commission above 0.12
- c) All salespeople either in Barcelona or in London
- d) All salespeople with commission between 0.10 and 0.12. (Boundary values should be excluded).
- e) All customers excluding those with rating  $\leq 100$  unless they are located in Rome

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+-----+-----+-----+-----+
| S_Name | varchar(20) | YES | NULL |
| City   | varchar(20) | YES | NULL |
| COMM   | float       | YES | NULL |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select S_Name, City="London" from salesperson where COMM IN(select COMM from salesperson where COMM>=0.12);
+-----+-----+
| S_Name | City="London" |
+-----+-----+
| Serres | 0             |
| Motika | 1             |
| Rafkin | 0             |
+-----+-----+
3 rows in set (0.00 sec)

mysql> select * from salesperson where City="Barcelona" or City="London";
+-----+-----+-----+-----+
| S_no | S_Name | City   | COMM |
+-----+-----+-----+-----+
| 1001 | Peel   | London | 0.12 |
| 1004 | Motika | London | 0.15 |
| 1007 | Rafkin | Barcelona | 0.15 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select * from salesperson where COMM between 0.10 and 0.12;
+-----+-----+-----+-----+
| S_no | S_Name | City   | COMM |
+-----+-----+-----+-----+
| 1001 | Peel   | London | 0.12 |
| 1003 | Axelfood | New York | 0.1 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from customer where Rating<=100;
+-----+-----+-----+-----+-----+
| CNM | C_Name | City   | Rating | S_no |
+-----+-----+-----+-----+-----+
| 201 | Hoffman | London | 100    | 1001 |
| 204 | Grass   | Barcelona | 100    | 1002 |
| 207 | Pereira | Roe     | 100    | 1004 |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```