

```
Microsoft Windows [Version 10.0.19045.6216]
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C:\Users\manis>mysql C1-92596-Manisha -p
Enter password: *****
ERROR 1045 (28000): Access denied for user 'ODBC'@'localhost' (using password: YES)

C:\Users\manis>mysql C2-92596-Manisha -p
Enter password: *****
ERROR 1045 (28000): Access denied for user 'ODBC'@'localhost' (using password: YES)

C:\Users\manis>mysql C2-92596-Manisha -p
Enter password: *****
ERROR 1045 (28000): Access denied for user 'ODBC'@'localhost' (using password: YES)

C:\Users\manis>mysql -u C2-92596-Manisha -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 17
Server version: 8.4.6 MySQL Community Server - GPL

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owners.

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

C2-92596-Manisha [(none)]>create database db1;
Query OK, 1 row affected (0.05 sec)

C2-92596-Manisha [(none)]>use db1;
Database changed
C2-92596-Manisha [db1]>create table salespeople( snum int(4),sname varchar(10),city varchar(10),comm float(3,2));
Query OK, 0 rows affected, 2 warnings (0.09 sec)

C2-92596-Manisha [db1]>insert into salespeople (snum,sname,city,comm) values(1001,'peel','london',0.12),(1002,'serres','san jose',0.13),(1004,'montika','london',0.11),(1007,'rifkin','barcelona',0.15),(1003,'axelrod','new york',0.10);
```

Command Prompt - mysql -u C2-92596-Manisha -p

C2-92596-Manisha [db1]>create table orders(onum int(4),amt float(7,2),odate date,cnum int(4),snum int(4));
Query OK, 0 rows affected, 4 warnings (0.09 sec)

C2-92596-Manisha [db1]> Insert into ORDERS (Onum, Amt, Odate, Cnum, Snum) Values
-> (3001, 18.69, '1990-10-03', 2008, 1007),
-> (3003, 767.19, '1990-10-03', 2001, 1001),
-> (3002, 1900.10, '1990-10-03', 2007, 1004),
-> (3005, 5160.45, '1990-10-03', 2003, 1002),
-> (3006, 1098.16, '1990-10-03', 2008, 1007),
-> (3009, 1713.23, '1990-10-04', 2002, 1003),
-> (3007, 75.75, '1990-10-04', 2004, 1002),
-> (3008, 4723.00, '1990-10-05', 2006, 1001),
-> (3010, 1309.95, '1990-10-06', 2004, 1002),
-> (3011, 9891.88, '1990-10-06', 2006, 1001);
Query OK, 10 rows affected (0.05 sec)
Records: 10 Duplicates: 0 Warnings: 0

C2-92596-Manisha [db1]>select onum as order number ,amt as amount, odate as date from orders;
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 'order number ,amt as amount, odate as date from orders' at line 1

C2-92596-Manisha [db1]>select onum as ordernumber ,amt as amount, odate as date from orders;
+-----+-----+-----+-----+
| ordernumber | amount | date |
+-----+-----+-----+-----+
3001	18.69	1990-10-03
3003	767.19	1990-10-03
3002	1900.10	1990-10-03
3005	5160.45	1990-10-03
3006	1098.16	1990-10-03
3009	1713.23	1990-10-04
3007	75.75	1990-10-04
3008	4723.00	1990-10-05
3010	1309.95	1990-10-06
3011	9891.88	1990-10-06
+-----+-----+-----+-----+
10 rows in set (0.04 sec)

C2-92596-Manisha [db1]>

```
C2-92596-Manisha [db1]>select * from customers where snum = 1001;
```

cnum	cname	city	rating	snum
2001	hoffman	london	100	1001
2006	clemens	london	100	1001

```
2 rows in set (0.04 sec)
```

```
C2-92596-Manisha [db1]>select city,sname,snum,comm from salespeople;
```

city	sname	snum	comm
london	peel	1001	0.12
san jose	serres	1002	0.13
london	montika	1004	0.11
barcelona	rifkin	1007	0.15
new york	axelrod	1003	0.10

```
5 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>select rating ,cname from customers where city = 'san jose';
```

rating	cname
200	liu
300	cisneros

```
2 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>select * from orders where amt>1000;
```

onum	amt	odate	cnum	snum
3002	1900.10	1990-10-03	2007	1004
3005	5160.45	1990-10-03	2003	1002
3006	1098.16	1990-10-03	2008	1007
3009	1713.23	1990-10-04	2002	1003
3008	4723.00	1990-10-05	2006	1001
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

```
C2-92596-Manisha [db1]>select sname,city from salespeople where city ='london' and comm >0.10;
```

```
+-----+-----+  
| sname  | city  |  
+-----+-----+  
| peel   | london |  
| montika | london |  
+-----+-----+
```

```
2 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>select * from customers where rating >100 or city ='rome';
```

cnum	cname	city	rating	snum
2002	goivanni	rome	200	1003
2003	liu	san jose	200	1002
2004	grass	berlin	300	1002
2008	cisneros	san jose	300	1007
2007	pereira	rome	100	1004

```
5 rows in set (0.00 sec)
```



```
C2-92596-Manisha [db1]>select * from orders where odate = '1990-10-03';
```

onum	amt	odate	cnum	snum
3001	18.69	1990-10-03	2008	1007
3003	767.19	1990-10-03	2001	1001
3002	1900.10	1990-10-03	2007	1004
3005	5160.45	1990-10-03	2003	1002
3006	1098.16	1990-10-03	2008	1007

```
5 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>select * from orders where odate = '1990-10-04';
```

onum	amt	odate	cnum	snum
3009	1713.23	1990-10-04	2002	1003
3007	75.75	1990-10-04	2004	1002

```
2 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>SELECT *
```

```
-> FROM CUSTOMERS
```

```
-> WHERE Cname LIKE 'A%'
```

```
->      OR Cname LIKE 'B%'
```

```
->      OR Cname LIKE 'C%'
```

```
->      OR Cname LIKE 'D%'
```

```
->      OR Cname LIKE 'E%'
```

```
->      OR Cname LIKE 'F%'
```

```
->      OR Cname LIKE 'G%';
```

cnum	cname	city	rating	snum
2002	goivanni	rome	200	1003
2004	grass	berlin	300	1002
2006	clemens	london	100	1001
2008	cisneros	san jose	300	1007

```
4 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>select * from orders where amt<>0 or amt ='null';
```

onum	amt	odate	cnum	snum
3001	18.69	1990-10-03	2008	1007
3003	767.19	1990-10-03	2001	1001
3002	1900.10	1990-10-03	2007	1004
3005	5160.45	1990-10-03	2003	1002
3006	1098.16	1990-10-03	2008	1007
3009	1713.23	1990-10-04	2002	1003
3007	75.75	1990-10-04	2004	1002
3008	4723.00	1990-10-05	2006	1001
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

```
10 rows in set, 1 warning (0.00 sec)
```

```
C2-92596-Manisha [db1]>select * from orders  
-> order by amt asc;
```

onum	amt	odate	cnum	snum
3001	18.69	1990-10-03	2008	1007
3007	75.75	1990-10-04	2004	1002
3003	767.19	1990-10-03	2001	1001
3006	1098.16	1990-10-03	2008	1007
3010	1309.95	1990-10-06	2004	1002
3009	1713.23	1990-10-04	2002	1003
3002	1900.10	1990-10-03	2007	1004
3008	4723.00	1990-10-05	2006	1001
3005	5160.45	1990-10-03	2003	1002
3011	9891.88	1990-10-06	2006	1001

```
10 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>SELECT * from customers  
-> order by rating desc;
```

cnum	cname	city	rating	snum
2004	grass	berlin	300	1002
2008	cisneros	san jose	300	1007
2002	goivanni	rome	200	1003
2003	liu	san jose	200	1002
2001	hoffman	london	100	1001
2006	clemens	london	100	1001
2007	pereira	rome	100	1004

```
7 rows in set (0.04 sec)
```

```
C2-92596-Manisha [db1]>select * from salespeople  
-> order by sname asc;
```

snum	sname	city	comm
1003	axelrod	new york	0.10
1004	montika	london	0.11
1001	peel	london	0.12
1007	rifkin	barcelona	0.15
1002	serres	san jose	0.13

```
5 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>select * from orders  
-> where odate in('1990-10-03','1990-10-06');
```

onum	amt	odate	cnum	snum
3001	18.69	1990-10-03	2008	1007
3003	767.19	1990-10-03	2001	1001
3002	1900.10	1990-10-03	2007	1004
3005	5160.45	1990-10-03	2003	1002
3006	1098.16	1990-10-03	2008	1007
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

```
7 rows in set (0.00 sec)
```



```
C2-92596-Manisha [db1]>select * from customers  
-> where city in('london','rome','berlin');
```

cnum	cname	city	rating	snum
2001	hoffman	london	100	1001
2002	goivanni	rome	200	1003
2004	grass	berlin	300	1002
2006	clemens	london	100	1001
2007	pereira	rome	100	1004

```
5 rows in set (0.00 sec)
```



```
C2-92596-Manisha [db1]>alter table customers add column phone varchar(12);
```

```
Query OK, 0 rows affected (0.09 sec)
```

```
Records: 0 Duplicates: 0 Warnings: 0
```

```
C2-92596-Manisha [db1]>show table customers;
```

```
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 'customers' at line 1
```

```
C2-92596-Manisha [db1]>desc customers;
```

Field	Type	Null	Key	Default	Extra
cnum	int	YES		NULL	
cname	varchar(10)	YES		NULL	
city	varchar(10)	YES		NULL	
rating	int	YES		NULL	
snum	int	YES		NULL	
phone	varchar(12)	YES		NULL	

```
6 rows in set (0.06 sec)
```

```
C2-92596-Manisha [db1]>select cname as customer_name,rating as ratings form customers;

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 'form customers' at line 1
C2-92596-Manisha [db1]>select cname as customer_name,rating as ratings from customers;

+-----+-----+
| customer_name | ratings |
+-----+-----+
| hoffman       | 100     |
| goivanni      | 200     |
| liu           | 200     |
| grass         | 300     |
| clemens       | 100     |
| cisneros      | 300     |
| pereira       | 100     |
+-----+-----+
7 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>select sname as "Salesperson" , comm as "Commission(%)" from salespeople;
```

Salesperson	Commission(%)
peel	0.12
serres	0.13
montika	0.11
rifkin	0.15
axelrod	0.10

```
5 rows in set (0.04 sec)
```

```
C2-92596-Manisha [db1]>select cname from customers where cname like 'c%';
```

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

```
|  cname  |
```

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

```
| clemens |
```

```
| cisneros |
```

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

```
2 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>select * from orders where cnum like '20%';
```

onum	amt	odate	cnum	snum
3001	18.69	1990-10-03	2008	1007
3003	767.19	1990-10-03	2001	1001
3002	1900.10	1990-10-03	2007	1004
3005	5160.45	1990-10-03	2003	1002
3006	1098.16	1990-10-03	2008	1007
3009	1713.23	1990-10-04	2002	1003
3007	75.75	1990-10-04	2004	1002
3008	4723.00	1990-10-05	2006	1001
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

```
10 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>select * from salespeople where city like '%on%';
```

snum	sname	city	comm
1001	peel	london	0.12
1004	montika	london	0.11
1007	rifkin	barcelona	0.15

```
3 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>select count(onum) from orders where amt>1000;
```

```
+-----+  
| count(onum) |
```

```
+-----+  
|          7 |
```

```
+-----+  
1 row in set (0.01 sec)
```

```
C2-92596-Manisha [db1]>
```

```
C2-92596-Manisha [db1]>select sum(amt) from orders;
```

```
+-----+  
| sum(amt) |
```

```
+-----+  
| 26658.40 |
```

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

```
1 row in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>
```



```
C2-92596-Manisha [db1]>select avg(rating) from customers where city = 'london';
+-----+
| avg(rating) |
+-----+
|      100.0000 |
+-----+
1 row in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>SELECT MIN(Amt)
-> FROM ORDERS
-> WHERE Cnum IN (
->   SELECT Cnum FROM CUSTOMERS WHERE City = 'San Jose'
-> );
```

```
+-----+
| MIN(Amt) |
+-----+
|    18.69 |
+-----+
```

```
1 row in set (0.01 sec)
```

```
C2-92596-Manisha [db1]>select max(comm)from salespeople where city = 'london';
```

```
+-----+  
| max(comm) |
```

```
+-----+  
|      0.12 |
```

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

```
1 row in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>SELECT DISTINCT Cname  
-> FROM CUSTOMERS  
-> WHERE Cnum IN (  
->   SELECT Cnum FROM ORDERS WHERE Amt > 1000  
-> );
```

```
+-----+  
| Cname |  
+-----+  
| goivanni |  
| liu      |  
| grass     |  
| clemens   |  
| cisneros  |  
| pereira   |  
+-----+
```

```
6 rows in set (0.00 sec)
```

```
C2-92596-Manisha [db1]>
```

```
C2-92596-Manisha [db1]>SELECT
-> O.Onum AS Order_Number,
-> O.Amt AS Order_Amount,
-> (SELECT C.Cname FROM CUSTOMERS C WHERE C.Cnum = O.Cnum) AS Customer_Name
-> FROM ORDERS O;
```

Order_Number	Order_Amount	Customer_Name
3001	18.69	cisneros
3003	767.19	hoffman
3002	1900.10	pereira
3005	5160.45	liu
3006	1098.16	cisneros
3009	1713.23	goivanni
3007	75.75	grass
3008	4723.00	clemens
3010	1309.95	grass
3011	9891.88	clemens

```
10 rows in set (0.00 sec)
```