

```
mysql> select * from ms.customers where country='america';
```

customerid	customername	contactno	address	city	postelcode	country
123	vamsi	23456789	kk street	newyork	999	america
133	sai	23454569	tk street	newyork	499	america
223	sarath	2345999	mm street	newyork	999	america
127	harsha	11456789	kc street	newyork	929	america
823	prasad	23886789	ku street	newyork	989	america
993	naveen	23451119	tt street	newyork	994	america

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

```
mysql> select country,count(customerid) from ms.customers group by country;
```

country	count(customerid)
america	6
india	2
england	1

```
3 rows in set (0.01 sec)
```

```
mysql> _
```

```
MySQL 8.0 Command Line Client - Unicode
Enter password: 
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 23
Server version: 8.0.30 MySQL Community Server - GPL

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

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

mysql> create table aa.emp(empno int(10),ename varchar(20),deptname varchar(20),sal float(6,2));
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> create table aa.emp(empno int(10),ename varchar(20),deptname varchar(20),sal float(6,2));
Query OK, 0 rows affected, 2 warnings (0.01 sec)

mysql> describe aa.emp;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| empno  | int           | YES  |     | NULL    |       |
| ename   | varchar(20)   | YES  |     | NULL    |       |
| deptname | varchar(20)   | YES  |     | NULL    |       |
| sal     | float(6,2)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
1 rows in set (0.00 sec)

mysql> insert into aa.emp(empno,ename,deptname,sal) values(123,'vamsi','manager',6666.66);
ERROR 1136 (21S01): Column count doesn't match value count at row 1
mysql> insert into aa.emp(empno,ename,deptname,sal) values(123,'vamsi','manager',6666.66);
Query OK, 1 row affected (0.01 sec)

mysql> insert into aa.emp(empno,ename,deptname,sal) values(333,'sarath','chif manager',5466.56);
ERROR 1136 (21S01): Column count doesn't match value count at row 1
mysql> insert into aa.emp(empno,ename,deptname,sal) values(123,'vamsi','manager',5433.56);
Query OK, 1 row affected (0.01 sec)

mysql> insert into aa.emp(empno,ename,deptname,sal) values(134,'sai','markating manager',1234.44);
Query OK, 1 row affected (0.01 sec)

mysql> insert into aa.emp(empno,ename,deptname,sal) values(193,'harsha','finance manager',9996.16);
Query OK, 1 row affected (0.01 sec)

mysql> select * from aa.emp;
+-----+-----+-----+-----+
| empno | ename | deptname | sal |
+-----+-----+-----+-----+
| 123   | vamsi | manager  | 6666.66 |
| 123   | vamsi | manager  | 5433.56 |
+-----+-----+-----+-----+
```

```
MySQL 8.0 Command Line Client - Unicode
+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> insert into ms.customers(customerid,customername,contactno,address,city,postalcode,country) values(123,'vamsi',23456789,'kk street','newyork',999,'america');
Query OK, 1 row affected (0.01 sec)

mysql> insert into ms.customers(customerid,customername,contactno,address,city,postalcode,country) values(133,'sai',23454569,'tk street','newyork',499,'america');
Query OK, 1 row affected (0.01 sec)

mysql> insert into ms.customers(customerid,customername,contactno,address,city,postalcode,country) values(223,'sarath',2345999,'mm street','newyork',999,'america');
Query OK, 1 row affected (0.01 sec)

mysql> insert into ms.customers(customerid,customername,contactno,address,city,postalcode,country) values(127,'harsha',11456789,'kc street','newyork',929,'america');
Query OK, 1 row affected (0.00 sec)

mysql> insert into ms.customers(customerid,customername,contactno,address,city,postalcode,country) values(823,'prasad',23886789,'ku street','newyork',989,'america');
Query OK, 1 row affected (0.01 sec)

mysql> insert into ms.customers(customerid,customername,contactno,address,city,postalcode,country) values(993,'naveen',23451119,'tt street','newyork',994,'america');
Query OK, 1 row affected (0.01 sec)

mysql> insert into ms.customers(customerid,customername,contactno,address,city,postalcode,country) values(333,'rahul',234567891,'pp street','nellore',123,'india');
Query OK, 1 row affected (0.01 sec)

mysql> insert into ms.customers(customerid,customername,contactno,address,city,postalcode,country) values(777,'raja',987654321,'poonamalee','chennai',889,'india');
Query OK, 1 row affected (0.01 sec)

mysql> insert into ms.customers(customerid,customername,contactno,address,city,postalcode,country) values(000,'mohan',981276345,'om street','london',779,'england');
Query OK, 1 row affected (0.01 sec)

mysql> select * from ms.customers;
+-----+-----+-----+-----+-----+-----+-----+
| customerid | customername | contactno | address | city | postalcode | country |
+-----+-----+-----+-----+-----+-----+-----+
| 123 | vamsi | 23456789 | kk street | newyork | 999 | america |
| 133 | sai | 23454569 | tk street | newyork | 499 | america |
| 223 | sarath | 2345999 | mm street | newyork | 999 | america |
| 127 | harsha | 11456789 | kc street | newyork | 929 | america |
| 823 | prasad | 23886789 | ku street | newyork | 989 | america |
| 993 | naveen | 23451119 | tt street | newyork | 994 | america |
| 333 | rahul | 234567891 | pp street | nellore | 123 | india |
| 777 | raja | 987654321 | poonamalee | chennai | 889 | india |
| 000 | mohan | 981276345 | om street | london | 779 | england |
+-----+-----+-----+-----+-----+-----+-----+
9 rows in set (0.00 sec)
```

```

MySQL 8.0 Command Line Client - Unicode
mysql> insert into aa.emp(empno,ename,deptname,sal) values(193,'harsha','finance manager',9996.16);
Query OK, 1 row affected (0.01 sec)

mysql> select * from aa.emp;
+-----+-----+-----+-----+
| empno | ename  | deptname      | sal      |
+-----+-----+-----+-----+
| 123   | vamsi  | manager       | 6666.66  |
| 123   | vamsi  | manager       | 5433.56  |
| 134   | sai    | markating manager | 1234.44  |
| 193   | harsha | finance manager | 9996.16  |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from emp order by sal;
ERROR 1046 (3D000): No database selected
mysql> select * from aa.emp order by sal;
+-----+-----+-----+-----+
| empno | ename  | deptname      | sal      |
+-----+-----+-----+-----+
| 134   | sai    | markating manager | 1234.44  |
| 123   | vamsi  | manager       | 5433.56  |
| 123   | vamsi  | manager       | 6666.66  |
| 193   | harsha | finance manager | 9996.16  |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from aa.emp order by sal desc;
+-----+-----+-----+-----+
| empno | ename  | deptname      | sal      |
+-----+-----+-----+-----+
| 193   | harsha | finance manager | 9996.16  |
| 123   | vamsi  | manager       | 6666.66  |
| 123   | vamsi  | manager       | 5433.56  |
| 134   | sai    | markating manager | 1234.44  |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> create table aa.customers(customerid int(10),customername varchar(20),contactno int(10),address varchar(20),city varchar(20),postelcode int(10),country varchar(20));
Query OK, 0 rows affected, 3 warnings (0.02 sec)

mysql> describe aa.customers;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| customerid | int       | YES  |     | NULL    |       |
| customername | varchar(20) | YES  |     | NULL    |       |
| contactno   | int       | YES  |     | NULL    |       |
| address     | varchar(20) | YES  |     | NULL    |       |
| city        | varchar(20) | YES  |     | NULL    |       |
| postelcode  | int       | YES  |     | NULL    |       |
| country     | varchar(20) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

```