

QUESTION 1

```
MySQL 8.0 Command Line CLI x + v

mysql> alter table Customer add price int(10);
Query OK, 0 rows affected, 1 warning (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 1

mysql> insert into Customer (C101,Alex William,Indore,Madhya pradesh,452013,chair,4000);
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 'W
illiam,Indore,Madhya pradesh,452013,chair,4000)' at line 1
mysql> insert into Customer (C101,'Alex William','Indore','Madhya pradesh',452013,'chair',4000);
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 ''
Alex William','Indore','Madhya pradesh',452013,'chair',4000)' at line 1
mysql> insert into Customer ('C101','Alex William','Indore','Madhya pradesh',452013,'chair',4000);
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 ''
C101','Alex William','Indore','Madhya pradesh',452013,'chair',4000)' at line 1
mysql> insert into Customer ('C101','Alex William','Indore','Madhya pradesh',452013,'chair',4000);
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 ''
C101','Alex William','Indore','Madhya pradesh',452013,'chair',4000)' at line 1
mysql> insert into Customer values ('C101','Alex William','Indore','Madhya pradesh',452013,'chair',4000);
Query OK, 1 row affected (0.01 sec)

mysql> select * from Customer
-> 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 's
elect * from Customer' at line 2
mysql> select * from Customer;
+-----+-----+-----+-----+-----+-----+-----+
| Cust_ID | name      | city  | state      | pincode | products | price |
+-----+-----+-----+-----+-----+-----+-----+
| C101    | Alex William | Indore | Madhya pradesh | 452013 | chair    | 4000  |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> CREATE TABLE Customer (Cust_ID varchar(5),name varchar(30),city varchar(15),state varchar(15),pincode int(6),products varchar());
CREATE TABLE Customer (Cust_ID varchar(5),name varchar(30),city varchar(15),state varchar(15),pincode int(6),products varchar(40),price int(10));CREATE TABLE
CREATE TABLE Customer (Cust_ID varchar(5),name varchar(30),city varchar(15),state varchar(15),pincode int(6),products varchar(40),price int(10));C
mysql> ^C
mysql> CREATE TABLE Customer (Cust_ID varchar(5),name varchar(30),city varchar(15),state varchar(15));^C
mysql> insert into Customer values ('C102','Alex William');
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 'W
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MySQL 8.0 Command Line Cli  x  +  v
-> ^C
mysql> insert into Customer values ('C102','Alex William','Pune','Maharashtra',652016,'table',8000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into Customer values ('C102','Alex William','Pune','Maharashtra',652016,'table',8000);^C
mysql> select * from Customer;
-> 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 's
elect * from Customer' at line 2
mysql> select * from Customer;
+-----+-----+-----+-----+-----+-----+
| Cust_ID | name      | city  | state      | pincode | products | price |
+-----+-----+-----+-----+-----+-----+
| C101    | Alex William | Indore | Madhya pradesh | 452013 | chair    | 4000 |
| C102    | Alex William | Pune   | Maharashtra    | 652016 | table    | 8000 |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> insert into Customer values ('C102','V. Iyer','Chennai','Tamil Nadu',752716,'table',8001);
Query OK, 1 row affected (0.00 sec)

mysql> select * from Customer;
+-----+-----+-----+-----+-----+-----+
| Cust_ID | name      | city  | state      | pincode | products | price |
+-----+-----+-----+-----+-----+-----+
| C101    | Alex William | Indore | Madhya pradesh | 452013 | chair    | 4000 |
| C102    | Alex William | Pune   | Maharashtra    | 652016 | table    | 8000 |
| C102    | V. Iyer      | Chennai | Tamil Nadu     | 752716 | table    | 8001 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> insert into q1(Cust_ID,name,city,state,pincode,products,price) values('C104','L.Laxmi','Chennai','Tamil Nadu',752717,'doll',200);
ERROR 1146 (42502): Table 'koushik.q1' doesn't exist
mysql> insert into Customer (Cust_ID,name,city,state,pincode,products,price) values('C104','L.Laxmi','Chennai','Tamil Nadu',752717,'doll',200);
Query OK, 1 row affected (0.00 sec)

mysql> select * from Customer;
+-----+-----+-----+-----+-----+-----+
| Cust_ID | name      | city  | state      | pincode | products | price |
+-----+-----+-----+-----+-----+-----+
| C101    | Alex William | Indore | Madhya pradesh | 452013 | chair    | 4000 |
| C102    | Alex William | Pune   | Maharashtra    | 652016 | table    | 8000 |
| C102    | V. Iyer      | Chennai | Tamil Nadu     | 752716 | table    | 8001 |
| C104    | L.Laxmi      | Chennai | Tamil Nadu     | 752717 | doll     | 200   |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from Customer;^C
mysql> insert into q1(Cust_ID,name,city,state,pincode,products,price) values('C105','Ravi Teja','Hyderabad','Telangana',252727,'doll',250);
ERROR 1146 (42502): Table 'koushik.q1' doesn't exist
mysql> select * from Customer;
+-----+-----+-----+-----+-----+-----+
| Cust_ID | name      | city  | state      | pincode | products | price |
+-----+-----+-----+-----+-----+-----+
| C101    | Alex William | Indore | Madhya pradesh | 452013 | chair    | 4000 |
| C102    | Alex William | Pune   | Maharashtra    | 652016 | table    | 8000 |
| C102    | V. Iyer      | Chennai | Tamil Nadu     | 752716 | table    | 8001 |
| C104    | L.Laxmi      | Chennai | Tamil Nadu     | 752717 | doll     | 200   |
| C105    | Ravi Teja    | Hyderabad | Telangana     | 252727 | doll     | 250   |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```



```
MySQL 8.0 Command Line Cli
| C106 | Raj Kumar | Delhi | Delhi | 151127 | cricket kit | 5250 |
| C107 | Tuner Bond | Bhopal | Madhya Pradesh | 451127 | football kit | 3250 |
+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> insert into Customer (Cust_ID,name,city,state,pincode,products,price) values('C108','Nikhil Yadav','Chennai','Tamil Nadu',751127,'football kit',6250);
Query OK, 1 row affected (0.00 sec)

mysql> insert into Customer (Cust_ID,name,city,state,pincode,products,price) values('C109','John','Mumbai','Maharashtra',651127,'football kit',6255);
-> insert into Customer (Cust_ID,name,city,state,pincode,products,price) values('C109','John','Mumbai','Maharashtra',651127,'football kit',6255);
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 'i
nsert into Customer (Cust_ID,name,city,state,pincode,products,price) values('C1' at line 2
mysql> insert into Customer (Cust_ID,name,city,state,pincode,products,price) values('C109','John','Mumbai','Maharashtra',651127,'football kit',6255);
Query OK, 1 row affected (0.01 sec)

mysql> insert into Customer (Cust_ID,name,city,state,pincode,products,price) values('C109','John','Mumbai','Maharashtra',651127,'football kit',6255);^C
mysql> select * from Customer
-> select * from Customer^C
mysql> select * from Customer;
+-----+-----+-----+-----+-----+-----+-----+
| Cust_ID | name | city | state | pincode | products | price |
+-----+-----+-----+-----+-----+-----+-----+
| C101 | Alex William | Indore | Madhya pradesh | 452013 | chair | 4000 |
| C102 | Alex William | Pune | Maharashtra | 652016 | table | 8000 |
| C102 | V. Iyer | Chennai | Tamil Nadu | 752716 | table | 8001 |
| C104 | L.Laxmi | Chennai | Tamil Nadu | 752717 | doll | 200 |
| C105 | Ravi Teja | Hyderabad | Telangana | 252727 | doll | 250 |
| C106 | Raj Kumar | Delhi | Delhi | 151127 | cricket kit | 5250 |
| C107 | Tuner Bond | Bhopal | Madhya Pradesh | 451127 | football kit | 3250 |
| C108 | Nikhil Yadav | Chennai | Tamil Nadu | 751127 | football kit | 6250 |
| C109 | John | Mumbai | Maharashtra | 651127 | football kit | 6255 |
+-----+-----+-----+-----+-----+-----+-----+
9 rows in set (0.00 sec)

mysql> select * from name
-> ^C
mysql> select * from name;
ERROR 1146 (42S02): Table 'koushik.name' doesn't exist
mysql>
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MySQL 8.0 Command Line Cli  x  +  v

| Cust_ID | name      | city      | state      | pincode | products | price |
|-----|-----|-----|-----|-----|-----|-----|
| C101 | Alex William | Indore | Madhya pradesh | 452013 | chair | 4000 |
| C102 | Alex William | Pune | Maharastra | 652016 | table | 8000 |
| C102 | V. Iyer | Chennai | Tamil Nadu | 752716 | table | 8001 |
| C104 | L.Laxmi | Chennai | Tamil Nadu | 752717 | doll | 200 |
| C105 | Ravi Teja | Hyderabad | Telangana | 282727 | doll | 250 |
| C106 | Raj Kumar | Delhi | Delhi | 181127 | cricket kit | 5250 |
| C107 | Turner Bond | Bhopal | Madhya Pradesh | 451127 | football kit | 3250 |
| C108 | Nikhil Yadav | Chennai | Tamil Nadu | 751127 | football kit | 6250 |
| C109 | John | Mumbai | Maharastra | 651127 | football kit | 6255 |
|-----|-----|-----|-----|-----|-----|
9 rows in set (0.00 sec)

mysql> select * from name
-> ^C
mysql> select * from name;
ERROR 1146 (42S02): Table 'koushik.name' doesn't exist
mysql> select dest name from Customer;
ERROR 1054 (42S22): Unknown column 'dest' in 'field list'
mysql> select Dest name from Customer;
ERROR 1054 (42S22): Unknown column 'Dest' in 'field list'
mysql> SELECT DISTINCT name FROM customer
-> SELECT DISTINCT name FROM customer^C
mysql> SELECT DISTINCT name FROM customer;
+-----+
| name |
+-----+
| Alex William |
| V. Iyer |
| L.Laxmi |
| Ravi Teja |
| Raj Kumar |
| Turner Bond |
| Nikhil Yadav |
| John |
+-----+
8 rows in set (0.00 sec)

mysql>

MySQL 8.0 Command Line Cli  x  +  v

mysql> select * from name;
ERROR 1146 (42S02): Table 'koushik.name' doesn't exist
mysql> select dest name from Customer;
ERROR 1054 (42S22): Unknown column 'dest' in 'field list'
mysql> select Dest name from Customer;
ERROR 1054 (42S22): Unknown column 'Dest' in 'field list'
mysql> SELECT DISTINCT name FROM customer
-> SELECT DISTINCT name FROM customer^C
mysql> SELECT DISTINCT name FROM customer;
+-----+
| name |
+-----+
| Alex William |
| V. Iyer |
| L.Laxmi |
| Ravi Teja |
| Raj Kumar |
| Turner Bond |
| Nikhil Yadav |
| John |
+-----+
8 rows in set (0.00 sec)

mysql> select name,city from Customer;
+-----+-----+
| name | city |
+-----+-----+
| Alex William | Indore |
| Alex William | Pune |
| V. Iyer | Chennai |
| L.Laxmi | Chennai |
| Ravi Teja | Hyderabad |
| Raj Kumar | Delhi |
| Turner Bond | Bhopal |
| Nikhil Yadav | Chennai |
| John | Mumbai |
+-----+-----+
9 rows in set (0.00 sec)

mysql>
```

```
MySQL 8.0 Command Line Cli x + v
+-----+
| Alex William |
| V. Iyer      |
| L.Laxmi      |
| Ravi Teja    |
| Raj Kumar    |
| Tuner Bond   |
| Nikhil Yadav |
| John         |
+-----+
8 rows in set (0.00 sec)

mysql> select name,city from Customer;
+-----+-----+
| name      | city  |
+-----+-----+
| Alex William | Indore |
| Alex William | Pune  |
| V. Iyer      | Chennai |
| L.Laxmi      | Chennai |
| Ravi Teja    | Hyderabad |
| Raj Kumar    | Delhi  |
| Tuner Bond   | Bhopal |
| Nikhil Yadav | Chennai |
| John         | Mumbai |
+-----+-----+
9 rows in set (0.00 sec)

mysql> select * from Customer WHERE product LIKE 'd%';
ERROR 1054 (42S22): Unknown column 'product' in 'where clause'
mysql> select * from Customer WHERE products LIKE 'd%';
+-----+-----+-----+-----+-----+-----+-----+
| Cust_ID | name      | city      | state      | pincode | products | price |
+-----+-----+-----+-----+-----+-----+-----+
| C104    | L.Laxmi   | Chennai   | Tamil Nadu | 752717  | doll      | 200   |
| C105    | Ravi Teja | Hyderabad | Telangana  | 252727  | doll      | 250   |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> |

MySQL 8.0 Command Line Cli x + v
8 rows in set (0.00 sec)

mysql> select name,city from Customer;
+-----+-----+
| name      | city  |
+-----+-----+
| Alex William | Indore |
| Alex William | Pune  |
| V. Iyer      | Chennai |
| L.Laxmi      | Chennai |
| Ravi Teja    | Hyderabad |
| Raj Kumar    | Delhi  |
| Tuner Bond   | Bhopal |
| Nikhil Yadav | Chennai |
| John         | Mumbai |
+-----+-----+
9 rows in set (0.00 sec)

mysql> select * from Customer WHERE product LIKE 'd%';
ERROR 1054 (42S22): Unknown column 'product' in 'where clause'
mysql> select * from Customer WHERE products LIKE 'd%';
+-----+-----+-----+-----+-----+-----+-----+
| Cust_ID | name      | city      | state      | pincode | products | price |
+-----+-----+-----+-----+-----+-----+-----+
| C104    | L.Laxmi   | Chennai   | Tamil Nadu | 752717  | doll      | 200   |
| C105    | Ravi Teja | Hyderabad | Telangana  | 252727  | doll      | 250   |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from Customer where city ="Chennai";
+-----+-----+-----+-----+-----+-----+-----+
| Cust_ID | name      | city      | state      | pincode | products | price |
+-----+-----+-----+-----+-----+-----+-----+
| C102    | V. Iyer   | Chennai   | Tamil Nadu | 752716  | table     | 8001  |
| C104    | L.Laxmi   | Chennai   | Tamil Nadu | 752717  | doll      | 200   |
| C108    | Nikhil Yadav | Chennai   | Tamil Nadu | 751127  | football kit | 6250  |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

```
MySQL 8.0 Command Line CLI x + v
+-----+
| L.Laxmi | Chennai |
| Ravi Teja | Hyderabad |
| Raj Kumar | Delhi |
| Tuner Bond | Bhopal |
| Nikhil Yadav | Chennai |
| John | Mumbai |
+-----+
9 rows in set (0.00 sec)

mysql> select * from Customer WHERE product LIKE 'd%';
ERROR 1054 (42S22): Unknown column 'product' in 'where clause'
mysql> select * from Customer WHERE products LIKE 'd%';
+-----+
| Cust_ID | name | city | state | pincode | products | price |
+-----+
| C104 | L.Laxmi | Chennai | Tamil Nadu | 752717 | doll | 200 |
| C105 | Ravi Teja | Hyderabad | Telangana | 252727 | doll | 250 |
+-----+
2 rows in set (0.00 sec)

mysql> select * from Customer where city ="Chennai";
+-----+
| Cust_ID | name | city | state | pincode | products | price |
+-----+
| C102 | V. Iyer | Chennai | Tamil Nadu | 752716 | table | 8001 |
| C104 | L.Laxmi | Chennai | Tamil Nadu | 752717 | doll | 200 |
| C108 | Nikhil Yadav | Chennai | Tamil Nadu | 751127 | football kit | 6250 |
+-----+
3 rows in set (0.00 sec)

mysql> select * from Customer WHERE Cust_ID ="C108"or Cust_ID="C104";
+-----+
| Cust_ID | name | city | state | pincode | products | price |
+-----+
| C104 | L.Laxmi | Chennai | Tamil Nadu | 752717 | doll | 200 |
| C108 | Nikhil Yadav | Chennai | Tamil Nadu | 751127 | football kit | 6250 |
+-----+
2 rows in set (0.00 sec)

mysql>

MySQL 8.0 Command Line CLI x + v
+-----+
| Cust_ID | name | city | state | pincode | products | price |
+-----+
| C104 | L.Laxmi | Chennai | Tamil Nadu | 752717 | doll | 200 |
| C105 | Ravi Teja | Hyderabad | Telangana | 252727 | doll | 250 |
+-----+
2 rows in set (0.00 sec)

mysql> select * from Customer where city ="Chennai";
+-----+
| Cust_ID | name | city | state | pincode | products | price |
+-----+
| C102 | V. Iyer | Chennai | Tamil Nadu | 752716 | table | 8001 |
| C104 | L.Laxmi | Chennai | Tamil Nadu | 752717 | doll | 200 |
| C108 | Nikhil Yadav | Chennai | Tamil Nadu | 751127 | football kit | 6250 |
+-----+
3 rows in set (0.00 sec)

mysql> select * from Customer WHERE Cust_ID ="C108"or Cust_ID="C104";
+-----+
| Cust_ID | name | city | state | pincode | products | price |
+-----+
| C104 | L.Laxmi | Chennai | Tamil Nadu | 752717 | doll | 200 |
| C108 | Nikhil Yadav | Chennai | Tamil Nadu | 751127 | football kit | 6250 |
+-----+
2 rows in set (0.00 sec)

mysql> select products from Customer WHERE price>5000;
+-----+
| products |
+-----+
| table |
| table |
| cricket kit |
| football kit |
| football kit |
+-----+
5 rows in set (0.00 sec)

mysql>
```

```
MySQL 8.0 Command Line Cli  x  +  v
+-----+-----+-----+-----+-----+-----+
| C104 | L.Laxmi | Chennai | Tamil Nadu | 752717 | doll | 200 |
| C108 | Nikhil Yadav | Chennai | Tamil Nadu | 751127 | football kit | 6250 |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select products from Customer WHERE price>5000;
+-----+
| products |
+-----+
| table |
| table |
| cricket kit |
| football kit |
| football kit |
+-----+
5 rows in set (0.00 sec)

mysql> select * from Customer where city ="Hyderabad"or city ="Pune"or"Delhi";
+-----+-----+-----+-----+-----+-----+
| Cust_ID | name | city | state | pincode | products | price |
+-----+-----+-----+-----+-----+-----+
| C102 | Alex William | Pune | Maharastra | 652016 | table | 8000 |
| C105 | Ravi Teja | Hyderabad | Telangana | 252727 | doll | 250 |
+-----+-----+-----+-----+-----+-----+
2 rows in set, 1 warning (0.00 sec)

mysql> select * from Customer where city ="Hyderabad"or city ="Pune"orcity = "Delhi";
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 'orcity = "Delhi"' at line 1
mysql> select * from Customer where city ="Hyderabad"or city ="Pune"or city = "Delhi";
+-----+-----+-----+-----+-----+-----+
| Cust_ID | name | city | state | pincode | products | price |
+-----+-----+-----+-----+-----+-----+
| C102 | Alex William | Pune | Maharastra | 652016 | table | 8000 |
| C105 | Ravi Teja | Hyderabad | Telangana | 252727 | doll | 250 |
| C106 | Raj Kumar | Delhi | Delhi | 151127 | cricket kit | 5250 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> |

Windows taskbar: Search, File Explorer, Chrome, VS Code, Docker, WhatsApp, 04:15 PM 18-08-2023
```

```
MySQL 8.0 Command Line Cli  x  +  v
+-----+-----+-----+-----+-----+-----+
| table |
| table |
| cricket kit |
| football kit |
| football kit |
+-----+-----+
5 rows in set (0.00 sec)

mysql> select * from Customer where city ="Hyderabad"or city ="Pune"or"Delhi";
+-----+-----+-----+-----+-----+-----+
| Cust_ID | name | city | state | pincode | products | price |
+-----+-----+-----+-----+-----+-----+
| C102 | Alex William | Pune | Maharastra | 652016 | table | 8000 |
| C105 | Ravi Teja | Hyderabad | Telangana | 252727 | doll | 250 |
+-----+-----+-----+-----+-----+-----+
2 rows in set, 1 warning (0.00 sec)

mysql> select * from Customer where city ="Hyderabad"or city ="Pune"orcity = "Delhi";
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 'orcity = "Delhi"' at line 1
mysql> select * from Customer where city ="Hyderabad"or city ="Pune"or city = "Delhi";
+-----+-----+-----+-----+-----+-----+
| Cust_ID | name | city | state | pincode | products | price |
+-----+-----+-----+-----+-----+-----+
| C102 | Alex William | Pune | Maharastra | 652016 | table | 8000 |
| C105 | Ravi Teja | Hyderabad | Telangana | 252727 | doll | 250 |
| C106 | Raj Kumar | Delhi | Delhi | 151127 | cricket kit | 5250 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select products from Customer WHERE price >2000 and price<=5000;
+-----+
| products |
+-----+
| chair |
| football kit |
+-----+
2 rows in set (0.00 sec)

mysql>
```

Windows taskbar: Search, File Explorer, Chrome, VS Code, Docker, WhatsApp, 04:16 PM 18-08-2023


```
MySQL 8.0 Command Line Cli x + v
rcity = "Delhi" at line 1
mysql> select * from Customer where city ="Hyderabad"or city ="Pune"or city = "Delhi";
+-----+-----+-----+-----+-----+-----+-----+
| Cust_ID | name      | city      | state      | pincode | products | price |
+-----+-----+-----+-----+-----+-----+-----+
| C102    | Alex William | Pune      | Maharastra | 652016  | table    | 8000   |
| C105    | Ravi Teja   | Hyderabad | Telangana  | 282727  | doll     | 250    |
| C106    | Raj Kumar   | Delhi     | Delhi      | 151127  | cricket kit | 5250   |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> select products from Customer WHERE price >2000 and price<=5000;
+-----+
| products |
+-----+
| chair    |
| football kit |
+-----+
2 rows in set (0.00 sec)

mysql> select name,city,state from Customer where state not on "Tamil Nadu";
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 'o
n "Tamil Nadu"' at line 1
mysql> select name,city,state from Customer where state not on ("Tamil Nadu");
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 'o
n ("Tamil Nadu")' at line 1
mysql> select name,city,state from Customer where state not in ("Tamil Nadu");
+-----+-----+-----+
| name      | city      | state      |
+-----+-----+-----+
| Alex William | Indore    | Madhya pradesh |
| Alex William | Pune      | Maharastra    |
| Ravi Teja   | Hyderabad | Telangana      |
| Raj Kumar   | Delhi     | Delhi          |
| Tuner Bond  | Bhopal    | Madhya Pradesh |
| John        | Mumbai    | Maharastra     |
+-----+-----+-----+
6 rows in set (0.00 sec)

mysql>

MySQL 8.0 Command Line Cli x + v
2 rows in set (0.00 sec)

mysql> select name,city,state from Customer where state not on "Tamil Nadu";
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 'o
n "Tamil Nadu"' at line 1
mysql> select name,city,state from Customer where state not on ("Tamil Nadu");
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 'o
n ("Tamil Nadu")' at line 1
mysql> select name,city,state from Customer where state not in ("Tamil Nadu");
+-----+-----+-----+
| name      | city      | state      |
+-----+-----+-----+
| Alex William | Indore    | Madhya pradesh |
| Alex William | Pune      | Maharastra    |
| Ravi Teja   | Hyderabad | Telangana      |
| Raj Kumar   | Delhi     | Delhi          |
| Tuner Bond  | Bhopal    | Madhya Pradesh |
| John        | Mumbai    | Maharastra     |
+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> UPDATE customers
-> SET customer_name = 'JohneY'
-> WHERE customer_name = 'John';
ERROR 1146 (42S02): Table 'koushik.customers' doesn't exist
mysql> UPDATE Customer SET customer_name = 'JohneY'WHERE customer_name = 'John';
ERROR 1054 (42S22): Unknown column 'customer_name' in 'where clause'
mysql> UPDATE Customer SET name = 'JohneY'WHERE name = 'John';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from Customer where name ="JohneY";
+-----+-----+-----+-----+-----+-----+-----+
| Cust_ID | name      | city      | state      | pincode | products | price |
+-----+-----+-----+-----+-----+-----+-----+
| C109    | Johney    | Mumbai    | Maharastra | 651127  | football kit | 6255   |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

2 ND QUESTION

1)

```
MySQL 8.0 Command Line Cli
-> WHERE customer_name = 'John';
ERROR 1146 (42S02): Table 'koushik.customers' doesn't exist
mysql> UPDATE Customer SET customer_name = 'Johney' WHERE customer_name = 'John';
ERROR 1054 (42S22): Unknown column 'customer_name' in 'where clause'
mysql> UPDATE Customer SET name = 'Johney' WHERE name = 'John';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from Customer where name ="Johney";
+-----+-----+-----+-----+-----+-----+
| Cust_ID | name | city | state | pincode | products | price |
+-----+-----+-----+-----+-----+-----+
| C109 | Johney | Mumbai | Maharastra | 651127 | football kit | 6255 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

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

mysql> use business;
Database changed
mysql> CREATE TABLE business.employee (emp_no INT PRIMARY KEY,emp_name VARCHAR(255),doj DATE,ph_no VARCHAR(15),dept_name VARCHAR(50),designation VARCHAR(50),salary DECIMAL(10, 2));
Query OK, 0 rows affected (0.02 sec)

mysql> desc employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| emp_no | int | NO | PRI | NULL | |
| emp_name | varchar(255) | YES | | NULL | |
| doj | date | YES | | NULL | |
| ph_no | varchar(15) | YES | | NULL | |
| dept_name | varchar(50) | YES | | NULL | |
| designation | varchar(50) | YES | | NULL | |
| salary | decimal(10,2) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.01 sec)

mysql>
```

2)

```

MySQL 8.0 Command Line Cli x + v
mysql> alter table employee add gender;
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> desc employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| emp_no | int | NO | PRI | NULL | |
| emp_name | varchar(255) | YES | | NULL | |
| doj | date | YES | | NULL | |
| ph_no | varchar(15) | YES | | NULL | |
| dept_name | varchar(50) | YES | | NULL | |
| designation | varchar(50) | YES | | NULL | |
| salary | decimal(10,2) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> desc employee varchar(10);
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 'v
archar(10)' at line 1
mysql> alter table employee add gender varchar(5);
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| emp_no | int | NO | PRI | NULL | |
| emp_name | varchar(255) | YES | | NULL | |
| doj | date | YES | | NULL | |
| ph_no | varchar(15) | YES | | NULL | |
| dept_name | varchar(50) | YES | | NULL | |
| designation | varchar(50) | YES | | NULL | |
| salary | decimal(10,2) | YES | | NULL | |
| gender | varchar(5) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)

mysql>

MySQL 8.0 Command Line Cli x + v
mysql> INSERT INTO business.employee (emp_no, emp_name, doj, ph_no, dept_name, designation, salary, gender) VALUES (2399, 'Govind', '2019-03-01', '834612342
3', 'Accounts', 'Typist', 4500, 'M');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO business.employee (emp_no, emp_name, doj, ph_no, dept_name, designation, salary, gender) VALUES (4599, 'Dhanad', '2019-04-2', '8456123423
', 'Accounts', 'Typist', 4000, 'M');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO business.employee (emp_no, emp_name, doj, ph_no, dept_name, designation, salary, gender) VALUES (2399, 'Khurana', '2019-03-1', '944890342
3', 'Accounts', 'CA', 14500, 'M');
ERROR 1062 (23000): Duplicate entry '2399' for key 'employee.PRIMARY'
mysql> INSERT INTO business.employee (emp_no, emp_name, doj, ph_no, dept_name, designation, salary, gender) VALUES (2399, 'Khurana', '2019-03-1', '944890342
3', 'Accounts', 'CA', 14500, 'M');
ERROR 1062 (23000): Duplicate entry '2399' for key 'employee.PRIMARY'
mysql> INSERT ignore INTO business.employee (emp_no, emp_name, doj, ph_no, dept_name, designation, salary, gender) VALUES (2399, 'Khurana', '2019-03-1', '94
48903423', 'Accounts', 'CA', 14500, 'M');
Query OK, 0 rows affected, 1 warning (0.00 sec)

mysql> INSERT INTO business.employee (emp_no, emp_name, doj, ph_no, dept_name, designation, salary, gender) VALUES (4599, 'Suraj', '2019-04-2', '9426123423'
, 'Accounts', 'CA', 46000, 'M');
ERROR 1062 (23000): Duplicate entry '4599' for key 'employee.PRIMARY'
mysql> select * from employee;
+-----+-----+-----+-----+-----+-----+-----+
| emp_no | emp_name | doj | ph_no | dept_name | designation | salary | gender |
+-----+-----+-----+-----+-----+-----+-----+
| 1234 | Sarala | 2020-01-02 | 9444123456 | Sales | HR | 70000.00 | F |
| 2399 | Govind | 2019-03-01 | 8346123423 | Accounts | Typist | 4500.00 | M |
| 3451 | Dennis | 2019-11-01 | 8244125357 | Marketing | sales representative | 7000.00 | M |
| 3452 | Amogh | 2019-01-01 | 9464123456 | Sales | Sales manager | 72000.00 | M |
| 4112 | Swathi | 2019-04-23 | NULL | Sales | Typist | 3300.00 | F |
| 4312 | Qasim | 2019-04-01 | 9444123423 | Sales | Sales representative | 7000.00 | M |
| 4345 | Devi kumar | 2020-01-01 | 9448563456 | HR | HR | 70000.00 | F |
| 4599 | Dhanad | 2019-04-02 | 8456123423 | Accounts | Typist | 4000.00 | M |
| 5744 | Hari dev | 2019-03-01 | 9464893456 | Marketing | Receptionist | 2000.00 | M |
| 6693 | Manoj | 2019-03-01 | 9444125357 | HR | Marketing | 17000.00 | M |
| 7890 | William Jane | 2019-04-12 | NULL | Marketing | Typist | 4000.00 | F |
+-----+-----+-----+-----+-----+-----+-----+
11 rows in set (0.00 sec)

mysql>

```

3)

```
mysql> UPDATE business.employee SET salary = 25000 WHERE designation = 'Typist';
Query OK, 5 rows affected (0.00 sec)
Rows matched: 5 Changed: 5 Warnings: 0

mysql> select * from employee;
```

emp_no	emp_name	doj	ph_no	dept_name	designation	salary	gender
1001	John Smith	2023-01-15	9444123456	Sales	Sales manager	80000.00	M
1002	Emily Johnson	2023-02-10	9464123456	HR	HR	55000.00	F
1003	Michael Davis	2023-03-05	9444123423	Marketing	Receptionist	25000.00	M
1004	Sophia Brown	2023-04-20	9448563456	Accounts	CA	90000.00	F
1005	Liam Wilson	2023-05-10	9444125357	Sales	Sales representative	60000.00	M
1006	Olivia Martinez	2023-06-15	9448903423	HR	Typist	25000.00	F
1234	Sarala	2020-01-02	9444123456	Sales	HR	70000.00	F
2399	Govind	2019-03-01	8346123423	Accounts	Typist	25000.00	M
3451	Dennis	2019-11-01	8244125357	Marketing	sales representative	7000.00	M
3452	Amogh	2019-01-01	9464123456	Sales	Sales manager	72000.00	M
4112	Swathi	2019-04-23	NULL	Sales	Typist	25000.00	F
4312	Qasim	2019-04-01	9444123423	Sales	Sales representative	7000.00	M
4345	Devi kumar	2020-01-01	9448563456	HR	HR	70000.00	F
4599	Dhanad	2019-04-02	8456123423	Accounts	Typist	25000.00	M
5744	Hari dev	2019-03-01	9464893456	Marketing	Receptionist	2000.00	M
6693	Manoj	2019-03-01	9444125357	HR	Marketing	17000.00	M
7899	William Jane	2019-04-12	NULL	Marketing	Typist	25000.00	F

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

4)

```
mysql> UPDATE business.employee SET ph_no = '6483648' WHERE emp_name = 'John';
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0

mysql> select * from employee;
```

emp_no	emp_name	doj	ph_no	dept_name	designation	salary	gender
1001	John Smith	2023-01-15	9444123456	Sales	Sales manager	80000.00	M
1002	Emily Johnson	2023-02-10	9464123456	HR	HR	55000.00	F
1003	Michael Davis	2023-03-05	9444123423	Marketing	Receptionist	25000.00	M
1004	Sophia Brown	2023-04-20	9448563456	Accounts	CA	90000.00	F
1005	Liam Wilson	2023-05-10	9444125357	Sales	Sales representative	60000.00	M
1006	Olivia Martinez	2023-06-15	9448903423	HR	Typist	25000.00	F
1234	Sarala	2020-01-02	9444123456	Sales	HR	70000.00	F
2399	Govind	2019-03-01	8346123423	Accounts	Typist	25000.00	M
3451	Dennis	2019-11-01	8244125357	Marketing	sales representative	7000.00	M
3452	Amogh	2019-01-01	9464123456	Sales	Sales manager	72000.00	M
4112	Swathi	2019-04-23	NULL	Sales	Typist	25000.00	F
4312	Qasim	2019-04-01	9444123423	Sales	Sales representative	7000.00	M
4345	Devi kumar	2020-01-01	9448563456	HR	HR	70000.00	F
4599	Dhanad	2019-04-02	8456123423	Accounts	Typist	25000.00	M
5744	Hari dev	2019-03-01	9464893456	Marketing	Receptionist	2000.00	M
6693	Manoj	2019-03-01	9444125357	HR	Marketing	17000.00	M
7899	William Jane	2019-04-12	NULL	Marketing	Typist	25000.00	F

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

5)

```
mysql> SELECT emp_no, emp_name
-> FROM business.employee
-> WHERE dept_name LIKE '%s';
```

emp_no	emp_name
1001	John Smith
1004	Sophia Brown
1005	Liam Wilson
1234	Sarala
2399	Govind
3452	Amogh
4112	Swathi
4312	Qasim
4599	Dhanad

9 rows in set (0.00 sec)

6)

```
mysql> SELECT emp_no, emp_name
-> FROM business.employee
-> WHERE salary BETWEEN 2000 AND 5000;
```

emp_no	emp_name
2399	Govind
4112	Swathi
4599	Dhanad
5744	Hari dev
7899	William Jane

5 rows in set (0.00 sec)

7)

```
mysql> SELECT DISTINCT designation FROM business.employee WHERE designation LIKE 'Sales%';
```

designation
Sales manager
Sales representative

2 rows in set (0.00 sec)

8)

```
mysql> UPDATE business.employee SET salary = 25000 WHERE designation = 'Typist';
Query OK, 5 rows affected (0.00 sec)
Rows matched: 5 Changed: 5 Warnings: 0

mysql> select * from employee;
```

emp_no	emp_name	doj	ph_no	dept_name	designation	salary	gender
1001	John Smith	2023-01-15	9444123456	Sales	Sales manager	80000.00	M
1002	Emily Johnson	2023-02-10	9464123456	HR	HR	55000.00	F
1003	Michael Davis	2023-03-05	9444123423	Marketing	Receptionist	25000.00	M
1004	Sophia Brown	2023-04-20	9448563456	Accounts	CA	90000.00	F
1005	Liam Wilson	2023-05-10	9444125357	Sales	Sales representative	60000.00	M
1006	Olivia Martinez	2023-06-15	9448903423	HR	Typist	25000.00	F
1234	Sarala	2020-01-02	9444123456	Sales	HR	70000.00	F
2399	Govind	2019-03-01	8346123423	Accounts	Typist	25000.00	M
3451	Dennis	2019-11-01	8244125357	Marketing	sales representative	7000.00	M
3452	Amogh	2019-01-01	9464123456	Sales	Sales manager	72000.00	M
4112	Swathi	2019-04-23	NULL	Sales	Typist	25000.00	F
4312	Qasim	2019-04-01	9444123423	Sales	Sales representative	7000.00	M
4345	Devi kumar	2020-01-01	9448563456	HR	HR	70000.00	F
4599	Dhanad	2019-04-02	8456123423	Accounts	Typist	25000.00	M
5744	Hari dev	2019-03-01	9464893456	Marketing	Receptionist	2000.00	M
6693	Manoj	2019-03-01	9444125357	HR	Marketing	17000.00	M
7899	William Jane	2019-04-12	NULL	Marketing	Typist	25000.00	F

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

9)

```
mysql> UPDATE business.employee SET ph_no = '6483648' WHERE emp_name = 'John';
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0

mysql> select * from employee;
```

emp_no	emp_name	doj	ph_no	dept_name	designation	salary	gender
1001	John Smith	2023-01-15	9444123456	Sales	Sales manager	80000.00	M
1002	Emily Johnson	2023-02-10	9464123456	HR	HR	55000.00	F
1003	Michael Davis	2023-03-05	9444123423	Marketing	Receptionist	25000.00	M
1004	Sophia Brown	2023-04-20	9448563456	Accounts	CA	90000.00	F
1005	Liam Wilson	2023-05-10	9444125357	Sales	Sales representative	60000.00	M
1006	Olivia Martinez	2023-06-15	9448903423	HR	Typist	25000.00	F
1234	Sarala	2020-01-02	9444123456	Sales	HR	70000.00	F
2399	Govind	2019-03-01	8346123423	Accounts	Typist	25000.00	M
3451	Dennis	2019-11-01	8244125357	Marketing	sales representative	7000.00	M
3452	Amogh	2019-01-01	9464123456	Sales	Sales manager	72000.00	M
4112	Swathi	2019-04-23	NULL	Sales	Typist	25000.00	F
4312	Qasim	2019-04-01	9444123423	Sales	Sales representative	7000.00	M
4345	Devi kumar	2020-01-01	9448563456	HR	HR	70000.00	F
4599	Dhanad	2019-04-02	8456123423	Accounts	Typist	25000.00	M
5744	Hari dev	2019-03-01	9464893456	Marketing	Receptionist	2000.00	M
6693	Manoj	2019-03-01	9444125357	HR	Marketing	17000.00	M
7899	William Jane	2019-04-12	NULL	Marketing	Typist	25000.00	F

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

10)

```
mysql> UPDATE business.employee
-> SET salary = salary * 1.15
-> WHERE designation = 'Receptionist';
Query OK, 2 rows affected (0.01 sec)
Rows matched: 2 Changed: 2 Warnings: 0

mysql> select * from employee;
```

emp_no	emp_name	doj	ph_no	dept_name	designation	salary	gender
1001	John Smith	2023-01-15	9444123456	Sales	Sales manager	80000.00	M
1002	Emily Johnson	2023-02-10	9464123456	HR	HR	55000.00	F
1003	Michael Davis	2023-03-05	9444123423	Marketing	Receptionist	28750.00	M
1004	Sophia Brown	2023-04-20	9448563456	Accounts	CA	90000.00	F
1005	Liam Wilson	2023-05-10	9444125357	Sales	Sales representative	60000.00	M
1006	Olivia Martinez	2023-06-15	9448903423	HR	Typist	25000.00	F
1234	Sarala	2020-01-02	9444123456	Sales	HR	70000.00	F
2399	Govind	2019-03-01	8346123423	Accounts	Typist	25000.00	M
3451	Dennis	2019-11-01	8244125357	Marketing	sales representative	7000.00	M
3452	Amogh	2019-01-01	9464123456	Sales	Sales manager	72000.00	M
4112	Swathi	2019-04-23	NULL	Sales	Typist	25000.00	F
4312	Qasim	2019-04-01	9444123423	Sales	Sales representative	7000.00	M
4345	Devi kumar	2020-01-01	9448563456	HR	HR	70000.00	F
4599	Dhanad	2019-04-02	8456123423	Accounts	Typist	25000.00	M
5744	Hari dev	2019-03-01	9464893456	Marketing	Receptionist	2300.00	M
6693	Manoj	2019-03-01	9444125357	HR	Marketing	17000.00	M
7899	William Jane	2019-04-12	NULL	Marketing	Typist	25000.00	F

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

11)

```
mysql> SELECT emp_no, emp_name
-> FROM business.employee
-> WHERE ph_no IS NULL;
```

```
+-----+-----+
| emp_no | emp_name |
+-----+-----+
| 4112   | Swathi   |
| 7899   | William Jane |
+-----+-----+
2 rows in set (0.00 sec)
```

12)

```
mysql> DELETE FROM business.employee WHERE salary > 7000;
Query OK, 14 rows affected (0.00 sec)
```

```
mysql> select * from employee;
```

```
+-----+-----+-----+-----+-----+-----+-----+
| emp_no | emp_name | doj       | ph_no   | dept_name | designation | salary | gender |
+-----+-----+-----+-----+-----+-----+-----+
| 3451   | Dennis   | 2019-11-01 | 8244125357 | Marketing | sales representative | 7000.00 | M |
| 4312   | Qasim    | 2019-04-01 | 9444123423 | Sales     | Sales representative | 7000.00 | M |
| 5744   | Hari dev | 2019-03-01 | 9464893456 | Marketing | Receptionist       | 2300.00 | M |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

13)

```
mysql> TRUNCATE TABLE business.employee;
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> select * from employee;
Empty set (0.00 sec)
```

14)

```
mysql> desc employee;
```

```
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| emp_no     | int           | NO   | PRI | NULL    |       |
| emp_name   | varchar(255)  | YES  |     | NULL    |       |
| doj        | date          | YES  |     | NULL    |       |
| ph_no      | varchar(15)   | YES  |     | NULL    |       |
| dept_name  | varchar(50)   | YES  |     | NULL    |       |
| designation | varchar(50)   | YES  |     | NULL    |       |
| salary     | decimal(10,2) | YES  |     | NULL    |       |
| gender     | varchar(5)    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.00 sec)
```

S