

C:\Windows\system32\cmd.exe - mysql -u root -pmysql

```
mysql> SELECT user FROM mysql.user;
```

| user             |
|------------------|
| Shairyar         |
| Webapp           |
| mysql.infoschema |
| mysql.session    |
| mysql.sys        |
| root             |
| webapp           |

7 rows in set (0.00 sec)

```
mysql> _
```

C:\Windows\system32\cmd.exe - mysql -u root -pmysql

mysql> SELECT \* FROM bookstore;

| BookID | Title                            | Author       | Description                                       | ImagePath                      | Price |
|--------|----------------------------------|--------------|---|--------------------------------|-------|
| 1      | Learning PHP, MySQL & JavaScript | Robin Nixon  | A step-by-step guide to creating dynamic websites | assets/imgs/learningphp.jpg    | 60.00 |
| 2      | Learning Python                  | Mark Lutz    | Powerful Object-Oriented Programming              | assets/imgs/learningpython.jpg | 45.00 |
| 3      | HTML & CSS 9th Ed                | Joe Casabona | Design and build webpages                         | assets/imgs/htmlcss.jpg        | 35.00 |
| 4      | American Heritage Dictionary     | na           | The English Language.                             | assets/imgs/dictionary.jpg     | 55.00 |

4 rows in set (0.00 sec)

mysql>

```

C:\Windows\system32\cmd.exe - mysql -u root -pmysql
+-----+-----+-----+-----+-----+-----+-----+-----+
| Address | varchar(255) | YES | | NULL | | | |
| City | varchar(255) | YES | | NULL | | | |
| State | varchar(255) | YES | | NULL | | | |
| Zip | varchar(10) | YES | | NULL | | | |
| PhoneNumber | varchar(15) | YES | | NULL | | | |
| Email | varchar(255) | YES | | NULL | | | |
+-----+-----+-----+-----+-----+-----+-----+-----+
9 rows in set (0.00 sec)

mysql> SELECT * FROM customer;
ERROR 1146 (42S02): Table 'bookstore.customer' doesn't exist
mysql> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('4', 'Swapna', 'Kumar', '123 Pleasant Ln', 'NYC', 'NY', '10001', 'skumar@email.com');
'> ;
'> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
'> VALUES('4', 'Swapna', 'Kumar', '123 Pleasant Ln', 'NYC', 'NY', '10001', 'skumar@email.com');
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 '10001', 'skumar@email.com');
;
INSERT INTO customers(CustomerID, FirstName, LastN' at line 2
mysql> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('4', 'Noah', 'Frasier', '456 Junior Rd', 'NYC', 'NY', '10001', 'nfrasier@email.com');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('4', 'Swapna', 'Kumar', '123 Pleasant Ln', 'NYC', 'NY', '10001', 'skumar@email.com');
'> ;
'> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
'> VALUES('4', 'Noah', 'Frasier', '456 Junior Rd', 'NYC', 'NY', '10001', 'nfrasier@email.com');
'> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
'> VALUES('4', 'Swapna', 'Kumar', '123 Pleasant Ln', 'NYC', 'NY', '10001', 'skumar@email.com');
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 '10001', 'skumar@email.com');
;
INSERT INTO customers(CustomerID, FirstName, LastNam' at line 2
mysql> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('4', 'Swapna', 'Kumar', '123 Pleasant Ln', 'NYC', 'NY', '10001', 'skumar@email.com');
ERROR 1062 (23000): Duplicate entry '4' for key 'customers.PRIMARY'
mysql>
mysql> SELECT * FROM customers;
+-----+-----+-----+-----+-----+-----+-----+-----+
| CustomerID | FirstName | LastName | Address | City | State | Zip | PhoneNumber | Email |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 4 | Noah | Frasier | 456 Junior Rd | NYC | NY | 10001 | NULL | nfrasier@email.com |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('1', 'Swapna', 'Kumar', '123 Pleasant Ln', 'NYC', 'NY', '10001', 'skumar@email.com');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('2', 'Noah', 'Frasier', '456 Junior Rd', 'NYC', 'NY', '10001', 'nfrasier@email.com');
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM customers;
+-----+-----+-----+-----+-----+-----+-----+-----+
| CustomerID | FirstName | LastName | Address | City | State | Zip | PhoneNumber | Email |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | Swapna | Kumar | 123 Pleasant Ln | NYC | NY | 10001 | NULL | skumar@email.com |
| 2 | Noah | Frasier | 456 Junior Rd | NYC | NY | 10001 | NULL | nfrasier@email.com |
| 4 | Noah | Frasier | 456 Junior Rd | NYC | NY | 10001 | NULL | nfrasier@email.com |
+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

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C:\Windows\system32\cmd.exe - mysql -u root -pmysql
mysql> VALUES('4','Swapna','Kumar','123 Pleasant Ln','NYC','NY','10001','skumar@email.com');
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 '10001','skumar@email.com');
;
INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
mysql> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('4','Noah','Frasier','456 Junior Rd','NYC','NY','10001','nfrasier@email.com');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('4','Swapna','Kumar','123 Pleasant Ln','NYC','NY','10001','skumar@email.com');
;
-> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('4','Noah','Frasier','456 Junior Rd','NYC','NY','10001','nfrasier@email.com');
-> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('4','Swapna','Kumar','123 Pleasant Ln','NYC','NY','10001','skumar@email.com');
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 '10001','skumar@email.com');
;
INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
mysql> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('4','Swapna','Kumar','123 Pleasant Ln','NYC','NY','10001','skumar@email.com');
ERROR 1062 (23000): Duplicate entry '4' for key 'customers.PRIMARY'
mysql>
mysql> SELECT * FROM customers;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| CustomerID | FirstName | LastName | Address | City | State | Zip | PhoneNumber | Email |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 4 | Noah | Frasier | 456 Junior Rd | NYC | NY | 10001 | NULL | nfrasier@email.com |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('1','Swapna','Kumar','123 Pleasant Ln','NYC','NY','10001','skumar@email.com');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
-> VALUES('2','Noah','Frasier','456 Junior Rd','NYC','NY','10001','nfrasier@email.com');
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM customers;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| CustomerID | FirstName | LastName | Address | City | State | Zip | PhoneNumber | Email |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | Swapna | Kumar | 123 Pleasant Ln | NYC | NY | 10001 | NULL | skumar@email.com |
| 2 | Noah | Frasier | 456 Junior Rd | NYC | NY | 10001 | NULL | nfrasier@email.com |
| 4 | Noah | Frasier | 456 Junior Rd | NYC | NY | 10001 | NULL | nfrasier@email.com |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> ALTER TABLE customers DROP pages;
ERROR 1091 (42000): Can't DROP 'pages'; check that column/key exists
mysql> ALTER TABLE customers DROP 3;
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 '3' at line 1
mysql> ALTER TABLE [schema_name.]customers
-> DROP column column_name3;
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 '[schema_name.]customers
DROP column column_name3' at line 1
mysql> ALTER TABLE customers
-> DROP column column_name3;
ERROR 1091 (42000): Can't DROP 'column_name3'; check that column/key exists
mysql> DROP TABLE customers;
ERROR 3730 (HY000): Cannot drop table 'customers' referenced by a foreign key constraint 'purchases_ibfk_2' on table 'purchases'.
mysql> ALTER TABLE customers DROP last_column;
ERROR 1091 (42000): Can't DROP 'last_column'; check that column/key exists

```

C:\Windows\system32\cmd.exe - mysql -u root -pmysql

ERROR 1146 (42S02): Table 'bookstore.purchasedata' doesn't exist

```
mysql> CREATE TABLE purchasedata (  
->   PurchaseID INT AUTO_INCREMENT PRIMARY KEY,  
->   BookID INT,  
->   CustomerID INT,  
->   Orderdate DATETIME DEFAULT '1970-01-01 00:00:00'  
-> );
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> INSERT INTO purchasedata(PurchaseID, BookID, CustomerID, OrderDate)
```

```
-> VALUES('1','1','2','3/3/20221:15:00PM');
```

ERROR 1292 (22007): Incorrect datetime value: '3/3/20221:15:00PM' for column 'Orderdate' at row 1

```
mysql> INSERT INTO purchasedata(PurchaseID, BookID, CustomerID, OrderDate)
```

```
-> VALUES('1','1','2','2022/03/03 1:15:00PM');
```

ERROR 1292 (22007): Incorrect datetime value: '2022/03/03 1:15:00PM' for column 'Orderdate' at row 1

```
mysql> INSERT INTO purchasedata(PurchaseID, BookID, CustomerID, OrderDate)
```

```
-> VALUES('1','1','2','2022-03-03 01:15:00');
```

Query OK, 1 row affected (0.00 sec)

```
mysql> INSERT INTO purchasedata(PurchaseID, BookID, CustomerID,OrderDate)
```

```
-> VALUES('2','3','2','2022-03-03 01:24:00');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> DESCRIBE purchasedata;
```

| Field      | Type     | Null | Key | Default             | Extra          |
|------------|----------|------|-----|---------------------|----------------|
| PurchaseID | int      | NO   | PRI | NULL                | auto_increment |
| BookID     | int      | YES  |     | NULL                |                |
| CustomerID | int      | YES  |     | NULL                |                |
| Orderdate  | datetime | YES  |     | 1970-01-01 00:00:00 |                |

4 rows in set (0.02 sec)

```
mysql> SELECT * purchasedata;
```

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 'purchasedata' at line 1

```
mysql> SELECT * FROM purchasedata;
```

| PurchaseID | BookID | CustomerID | Orderdate           |
|------------|--------|------------|---------------------|
| 1          | 1      | 2          | 2022-03-03 01:15:00 |
| 2          | 3      | 2          | 2022-03-03 01:24:00 |

2 rows in set (0.00 sec)

```
mysql> _
```



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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 'too many words.)' at line 2

mysql> CREATE TABLE reviews (

```
->   ReviewID INT,
->   BookID INT,
->   CustomerID INT,
->   Rating INT,
->   Review TEXT
-> );
```

Query OK, 0 rows affected (0.01 sec)

mysql> INSERT INTO reviews (ReviewID, BookID, CustomerID, Rating, Review)

```
-> VALUES (1, 4, 0, 1, 'Boring. Way too many words.');
```

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO reviews (ReviewID, BookID, CustomerID, Rating, Review)

```
-> VALUES (2, 1, 2, 5, 'This is just what I needed. This subject is constantly changing in small ways. As recent a copyright date as possible is always needed. Well worth the money.');
```

Query OK, 1 row affected (0.00 sec)

mysql> DESCRIBE reviews;

| Field      | Type | Null | Key | Default | Extra |
|------------|------|------|-----|---------|-------|
| ReviewID   | int  | YES  |     | NULL    |       |
| BookID     | int  | YES  |     | NULL    |       |
| CustomerID | int  | YES  |     | NULL    |       |
| Rating     | int  | YES  |     | NULL    |       |
| Review     | text | YES  |     | NULL    |       |

5 rows in set (0.00 sec)

mysql> SELECT \* FROM reviews;

| ReviewID | BookID | CustomerID | Rating | Review  |
|----------|--------|------------|--------|---|
| 1        | 4      | 0          | 1      | Boring. Way too many words.   |
| 2        | 1      | 2          | 5      | This is just what I needed. This subject is constantly changing in small ways. As recent a copyright date as possible is always needed. Well worth the money. |

2 rows in set (0.00 sec)

mysql> \_