

```
C:\Windows\system32\cmd.exe - mysql -u root -pmysql
Query OK, 0 rows affected (0.01 sec)
Query OK, 0 rows affected (0.00 sec)

mysql> USE bookstore;
ERROR 1049 (42000): Unknown database 'bookstore'
mysql> CREATE DATABASE bookstore;
Query OK, 1 row affected (0.00 sec)

mysql> USE bookstore;
Database changed
mysql> CREATE TABLE classics (
  ->   author VARCHAR(128),
  ->   title VARCHAR(128),
  ->   type VARCHAR(16),
  ->   year CHAR(4)) ENGINE=InnoDB;
Query OK, 0 rows affected (0.03 sec)

mysql> DESCRIBE classics;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| author | varchar(128) | YES  |     | NULL    |       |
| title  | varchar(128) | YES  |     | NULL    |       |
| type   | varchar(16)  | YES  |     | NULL    |       |
| year   | char(4)      | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
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affiliates. Other names may be trademarks of their respective
owners.

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

mysql> CREATE USER 'webapp'@'localhost' IDENTIFIED BY 'your_password';
ERROR 1396 (HY000): Operation CREATE USER failed for 'webapp'@'localhost'
mysql> CREATE USER 'webapp'@'localhost' IDENTIFIED BY 'webapp1551';
ERROR 1396 (HY000): Operation CREATE USER failed for 'webapp'@'localhost'
mysql> GRANT ALL PRIVILEGES ON bookstore.* TO 'webapp'@'localhost';
Query OK, 0 rows affected (0.00 sec)

mysql> /Applications/ampms/mysql/bin/mysql -u root -pmysql
- - - - -
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 '/Applications/ampms/mysql/bin/mysql -u root -pmysql' at line 1
mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| bookstore |
| information_schema |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.00 sec)

mysql> USE bookstore;
Database changed
mysql> DESCRIBE classics;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| author | varchar(128) | YES  |     | NULL    |       |
| title  | varchar(128) | YES  |     | NULL    |       |
| type   | varchar(16)  | YES  |     | NULL    |       |
| year   | char(4)      | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql>
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mysql> CREATE TABLE bookstore (
  ->   bookID INT AUTO INCREMENT PRIMARY KEY,
  ->   Title VARCHAR(255),
  ->   Author VARCHAR(255),
  ->   Description TEXT,
  ->   ImagePath VARCHAR(255),
  ->   Price DECIMAL(10,2)
  -> );
Query OK, 0 rows affected (0.03 sec)

mysql> DESCRIBE classics;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| author | varchar(128) | YES | | NULL | |
| title | varchar(128) | YES | | NULL | |
| type | varchar(10) | YES | | NULL | |
| year | char(4) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> DESCRIBE classics bookstore;
Empty set (0.00 sec)

mysql> DESCRIBE bookstore;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| bookID | int | NO | PRI | NULL | auto_increment |
| title | varchar(255) | YES | | NULL | |
| author | varchar(255) | YES | | NULL | |
| description | text | YES | | NULL | |
| imagePath | varchar(255) | YES | | NULL | |
| price | decimal(10,2) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql>
```

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

mysql>
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| bookID | int | NO | PRI | NULL | auto_increment |
| title | varchar(255) | YES | | NULL | |
| author | varchar(255) | YES | | NULL | |
| description | text | YES | | NULL | |
| imagePath | varchar(255) | YES | | NULL | |
| price | decimal(10,2) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> INSERT INTO bookstore(bookID, Title, Author, Description, ImagePath, Price )
  -> VALUES('1','Learning PHP, MySQL & JavaScript','Robin Nixon','A step-by-step guide to creating dynamic websites','assets/ings/learningphp.jpg','60');
ERROR 1062 (23000): Duplicate entry '1' for key 'bookstore.PRIMARY'
mysql> INSERT INTO bookstore(bookID, Title, Author, Description, ImagePath, Price )
  -> VALUES('2','Learning Python','Mark Lutz','Powerful Object-Oriented Programming','assets/ings/learningpython.jpg','45');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO bookstore(bookID, Title, Author, Description, ImagePath, Price )
  -> VALUES('3','HTML & CSS 9th ed','Joe Casabona','Design and build webpages','assets/ings/htmlcss.jpg','35');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO bookstore(bookID, Title, Author, Description, ImagePath, Price )
  -> VALUES('4','American Heritage Dictionary','na','The English Language','assets/ings/dictionary.jpg','55');
Query OK, 1 row affected (0.00 sec)

mysql> DESCRIBE bookstore;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| bookID | int | NO | PRI | NULL | auto_increment |
| title | varchar(255) | YES | | NULL | |
| author | varchar(255) | YES | | NULL | |
| description | text | YES | | NULL | |
| imagePath | varchar(255) | YES | | NULL | |
| price | decimal(10,2) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql>
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```
C:\Windows\system32\cmd.exe - mysql -u root -pmysql
0 rows in set (0.00 sec)

mysql> CREATE TABLE customers (
  ->   CustomerID INT AUTO_INCREMENT PRIMARY KEY,
  ->   FirstName VARCHAR(255),
  ->   LastName VARCHAR(255),
  ->   Address VARCHAR(255),
  ->   City VARCHAR(255),
  ->   State VARCHAR(255),
  ->   Zip VARCHAR(10),
  ->   PhoneNumber VARCHAR(15),
  ->   Email VARCHAR(255)
  -> );
Query OK, 0 rows affected (0.02 sec)

mysql> DESCRIBE TABLE customers;
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| id | select_type | table | partitions | type | possible_keys | key | key_len | ref | rows | filtered | Extra |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1 | SIMPLE | customers | NULL | ALL | NULL | NULL | NULL | NULL | 1 | 100.00 | NULL |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set, 1 warning (0.00 sec)

mysql>
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C:\Windows\system32\cmd.exe - mysql -u root -pmysql
>
>
> end
> INSERT INTO Table customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
  -> VALUES('4','Swagata','Kumar','123 Pleasant Ln','NYC','NY','10001','skumar@gmail.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 'Table customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email'
at line 1
mysql> INSERT INTO Table customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
  -> VALUES('4','Noah','Frasier','456 Junior Rd','NYC','NY','10001','nfrasier@gmail.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 'Table customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email'
at line 1
mysql> INSERT INTO Table customers(CustomerID, FirstName, LastName, Address, City, State, zip, Email)
  -> VALUES('4','Swagata','Kumar','123 Pleasant Ln','NYC','NY','10001','skumar@gmail.com');
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at line 1
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  -> VALUES('4','Noah','Frasier','456 Junior Rd','NYC','NY','10001','nfrasier@gmail.com');
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at line 1
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-> Orderdate INT,);
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 5
mysql> CREATE TABLE purchases (
-> PurchaseID INT AUTO_INCREMENT PRIMARY KEY,
-> BookID INT,
-> CustomerID INT,
-> Orderdate INT
-> );
ERROR 1050 (42501): Table 'purchases' already exists
mysql> CREATE TABLE purchase(
-> PurchaseID INT AUTO_INCREMENT PRIMARY KEY,
-> BookID INT,
-> CustomerID INT,
-> Orderdate INT
-> );
Query OK, 0 rows affected (0.03 sec)

mysql> DESCRIBE purchase;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| PurchaseID | int | NO | PRI | NULL | auto_increment |
| BookID | int | YES | | NULL | |
| CustomerID | int | YES | | NULL | |
| Orderdate | int | YES | | NULL | |
+-----+
4 rows in set (0.00 sec)

mysql> INSERT INTO purchase(PurchaseID, BookID, CustomerID, OrderDate)
-> VALUES('1','1','2','3/3/2022 1:15:00 PM');
ERROR 1265 (01000): Data truncated for column 'Orderdate' at row 1
mysql> INSERT INTO purchase(PurchaseID, BookID, CustomerID, OrderDate)
-> VALUES('2','3','2','3/3/2022 1:24:00 PM');
ERROR 1265 (01000): Data truncated for column 'Orderdate' at row 1
mysql> INSERT INTO purchase(PurchaseID, BookID, CustomerID, OrderDate)
-> VALUES('1','1','2','3/3/2022 1:15:00 PM');
ERROR 1265 (01000): Data truncated for column 'Orderdate' at row 1
mysql> INSERT INTO purchase(PurchaseID, BookID, CustomerID, OrderDate)
-> VALUES('2','3','2','3/3/2022 1:24:00 PM');
ERROR 1265 (01000): Data truncated for column 'Orderdate' at row 1
mysql> INSERT INTO purchase(PurchaseID, BookID, CustomerID, OrderDate)
-> VALUES('1','1','2','3/3/2022 1:15:00 PM');
ERROR 1265 (01000): Data truncated for column 'Orderdate' at row 1
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-> VALUES('2','3','2','3/3/2022 1:24:00 PM');
ERROR 1265 (01000): Data truncated for column 'Orderdate' at row 1
mysql> INSERT INTO purchase(PurchaseID, BookID, CustomerID, OrderDate)
-> VALUES('1','1','2','3/3/2022 1:15:00 PM');
ERROR 1265 (01000): Data truncated for column 'Orderdate' at row 1
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-> VALUES('2','3','2','3/3/2022 1:24:00 PM');
ERROR 1265 (01000): Data truncated for column 'Orderdate' at row 1
mysql> INSERT INTO purchase(PurchaseID, BookID, CustomerID, OrderDate)
-> VALUES('1','1','2','3/3/2022 1:15:00 PM');
ERROR 1265 (01000): Data truncated for column 'Orderdate' at row 1
mysql> INSERT INTO purchase(PurchaseID, BookID, CustomerID, OrderDate)
-> VALUES('2','3','2','3/3/2022 1:24:00 PM');
ERROR 1265 (01000): Data truncated for column 'Orderdate' at row 1
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mysql> CREATE TABLE review(
  ->   ReviewID INT AUTO_INCREMENT PRIMARY KEY,
  ->   BookID INT,
  ->   CustomerID INT,
  ->   Rating INT,
  ->   Review INT,
  ->   FOREIGN KEY (BookID) REFERENCES books(BookID),
  ->   FOREIGN KEY (CustomerID) REFERENCES customers(CustomerID)
  -> );
Query OK, 0 rows affected (0.02 sec)

mysql> DESCRIBE review;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ReviewID | int | NO | PRI | NULL | auto_increment |
| BookID | int | YES | MUL | NULL | |
| CustomerID | int | YES | MUL | NULL | |
| Rating | int | YES | | NULL | |
| Review | int | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
```

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

mysql> CREATE TABLE review(
  ->   ReviewID INT AUTO_INCREMENT PRIMARY KEY,
  ->   BookID INT,
  ->   CustomerID INT,
  ->   Rating INT,
  ->   Review INT,
  ->   FOREIGN KEY (BookID) REFERENCES books(BookID),
  ->   FOREIGN KEY (CustomerID) REFERENCES customers(CustomerID)
  -> );
Query OK, 0 rows affected (0.02 sec)

mysql> DESCRIBE review;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ReviewID | int | NO | PRI | NULL | auto_increment |
| BookID | int | YES | MUL | NULL | |
| CustomerID | int | YES | MUL | NULL | |
| Rating | int | YES | | NULL | |
| Review | int | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> INSERT INTO purchase(ReviewID, BookID, CustomerID, Rating, Review)
  -> VALUES('1', '4', '0', '1', 'Boring. Way too many words. ');
ERROR 1054 (42S22): Unknown column 'ReviewID' in 'field list'
mysql>
mysql> INSERT INTO purchase(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. ');
ERROR 1054 (42S22): Unknown column 'ReviewID' in 'field list'
mysql>
mysql> INSERT INTO purchase(Review, BookID, CustomerID, Rating, Review)
  -> VALUES('1', '4', '0', '1', 'Boring. Way too many words. ');
ERROR 1054 (42S22): Unknown column 'Review' in 'field list'
mysql>
mysql> INSERT INTO purchase(Review, 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. ');
ERROR 1054 (42S22): Unknown column 'Review' in 'field list'
mysql>
```