

E/18/375

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1)

```
mysql> CREATE DATABASE school;
-> CREATE DATABASE school;
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 '':
CREATE DATABASE school' at line 1
mysql> CREATE DATABASE school;
Query OK, 1 row affected (0.34 sec)

mysql> USE school;
Database changed
mysql> CREATE TABLE Publisher
-> (PubID VARCHAR(6) PRIMARY KEY,
-> PublisherName VARCHAR(30),
-> ReisteredDate Date,
-> Country VARCHAR(15));
Query OK, 0 rows affected (0.96 sec)
```

```
mysql> CREATE TABLE Book
-> (BookID VARCHAR(5) PRIMARY KEY,
-> Title VARCHAR(50),
-> Author VARCHAR(30),
-> Category INT,
-> Price FLOAT(8,2),
-> PubID VARCHAR(6),
-> FOREIGN KEY(PubID) REFERENCES Publisher(PubID));
Query OK, 0 rows affected, 1 warning (0.41 sec)
```

```
mysql> SHOW Tables
```

```
-> ;
```

```
-----+
Tables_in_school |
-----+
book              |
publisher         |
-----+
```

```
2 rows in set (0.53 sec)
```

```
mysql> DESCRIBE book
```

```
-> ;
```

```
-----+-----+-----+-----+-----+-----+
Field      | Type      | Null | Key | Default | Extra |
-----+-----+-----+-----+-----+-----+
BookID     | varchar(5) | NO   | PRI | NULL    |       |
Title      | varchar(50) | YES  |     | NULL    |       |
Author     | varchar(30) | YES  |     | NULL    |       |
Category   | int        | YES  |     | NULL    |       |
Price      | float(8,2) | YES  |     | NULL    |       |
PubID      | varchar(6) | YES  | MUL | NULL    |       |
-----+-----+-----+-----+-----+-----+
```

```
5 rows in set (0.20 sec)
```

```
mysql> DESCRIBE Publisher;
```

```
-----+-----+-----+-----+-----+-----+
Field          | Type      | Null | Key | Default | Extra |
-----+-----+-----+-----+-----+-----+
PubID          | varchar(6) | NO   | PRI | NULL    |       |
PublisherName  | varchar(30) | YES  |     | NULL    |       |
RegisteredDate | date      | YES  |     | NULL    |       |
Country        | varchar(15) | YES  |     | NULL    |       |
-----+-----+-----+-----+-----+-----+
```

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

2)

```
mysql> INSERT INTO Publisher
-> VALUES('Pub01','A.Press','2001-05-12','Sri Lanka'),
-> ('Pub02','A.Books','2010-03-20','India'),
-> ('Pub03','K.Brill','2014-01-31','Poland'),
-> ('Pub04','A.Press','2015-02-13','Sri Lanka');
Query OK, 4 rows affected (0.31 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Book
-> VALUES('B1','Excel','R.David',2,18.00,'Pub02'),
-> ('B2','Computers','M.Thomas',4,25.00,'Pub02'),
-> ('B3','Access','P.Paul',2,30.00,'Pub03'),
-> ('B4','Arts','W.Shiva',1,10.00,'Pub04'),
-> ('B5','Science','A.Rahul',3,9.00,'Pub01');
Query OK, 5 rows affected (0.12 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> SELECT *
-> FROM Book
-> ;
+-----+-----+-----+-----+-----+-----+
| BookID | Title   | Author | Category | Price | PubID |
+-----+-----+-----+-----+-----+-----+
| B1     | Excel   | R.David | 2         | 18.00 | Pub02 |
| B2     | Computers | M.Thomas | 4         | 25.00 | Pub02 |
| B3     | Access  | P.Paul  | 2         | 30.00 | Pub03 |
| B4     | Arts    | W.Shiva | 1         | 10.00 | Pub04 |
| B5     | Science | A.Rahul | 3         | 9.00  | Pub01 |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.03 sec)

mysql> SELECT *
-> FROM Publisher;
+-----+-----+-----+-----+
| PubID | PublisherName | ReisteredDate | Country |
+-----+-----+-----+-----+
| Pub01 | A.Press       | 2001-05-12    | Sri Lanka |
| Pub02 | A.Books       | 2010-03-20    | India    |
| Pub03 | K.Brill       | 2014-01-31    | Poland   |
| Pub04 | A.Press       | 2015-02-13    | Sri Lanka |
+-----+-----+-----+-----+
4 rows in set (0.04 sec)

mysql>
```

3)

cmd Command Prompt - mysql -u root -p

Records: 5 Duplicates: 0 Warnings: 0

```
mysql> SELECT *
-> FROM Book
-> ;
```

BookID	Title	Author	Category	Price	PubID
B1	Excel	R.David	2	18.00	Pub02
B2	Computers	M.Thomas	4	25.00	Pub02
B3	Access	P.Paul	2	30.00	Pub03
B4	Arts	W.Shiva	1	10.00	Pub04
B5	Science	A.Rahul	3	9.00	Pub01

5 rows in set (0.03 sec)

```
mysql> SELECT *
-> FROM Publisher;
```

PubID	PublisherName	ReisteredDate	Country
Pub01	A.Press	2001-05-12	Sri Lanka
Pub02	A.Books	2010-03-20	India
Pub03	K.Brill	2014-01-31	Poland
Pub04	A.Press	2015-02-13	Sri Lanka

4 rows in set (0.04 sec)

```
mysql> SELECT *
-> FROM Book;
```

BookID	Title	Author	Category	Price	PubID
B1	Excel	R.David	2	18.00	Pub02
B2	Computers	M.Thomas	4	25.00	Pub02
B3	Access	P.Paul	2	30.00	Pub03
B4	Arts	W.Shiva	1	10.00	Pub04
B5	Science	A.Rahul	3	9.00	Pub01

5 rows in set (0.00 sec)

```
mysql> SELECT Title
-> FROM Book
-> ;
```

Title
Excel
Computers
Access

5 rows in set (0.00 sec)

```
mysql> SELECT Title
-> FROM Book
-> ;
```

Title
Excel
Computers
Access
Arts
Science

5 rows in set (0.00 sec)

```
mysql> SELECT Title,Price
-> FROM Book;
```

Title	Price
Excel	18.00
Computers	25.00
Access	30.00
Arts	10.00
Science	9.00

5 rows in set (0.00 sec)

```
mysql> SELECT BookID,Title,Author
-> FROM Book
-> ;
```

BookID	Title	Author
B1	Excel	R.David
B2	Computers	M.Thomas
B3	Access	P.Paul
B4	Arts	W.Shiva
B5	Science	A.Rahul

5 rows in set (0.00 sec)

```
mysql> SELECT BookID
-> FROM Book
-> WHERE BookID='B2';
```

BookID
B2



```
mysql> SELECT BookID
-> FROM Book
-> WHERE BookID='B2';
```

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

```
| BookID |
```

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

```
| B2     |
```

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

```
1 row in set (0.04 sec)
```

```
mysql> SELECT *
-> FROM Book
-> WHERE BookID='B2';
```

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

```
| BookID | Title    | Author  | Category | Price | PubID |
```

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

```
| B2     | Computers | M.Thomas |          4 | 25.00 | Pub02 |
```

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

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

```
mysql> SELECT Title
-> FROM Book
-> WHERE Price<20.00;
```

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

```
| Title  |
```

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

```
| Excel  |
```

```
| Arts   |
```

```
| Science |
```

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

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

```
mysql> SELECT *
-> FROM Book
-> WHERE Category=2;
```

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

```
| BookID | Title  | Author  | Category | Price | PubID |
```

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

```
| B1     | Excel  | R.David |          2 | 18.00 | Pub02 |
```

```
| B3     | Access | P.Paul  |          2 | 30.00 | Pub03 |
```

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

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

```
mysql>
```

4)

```
mysql> SELECT Title
-> FROM Book
-> ORDER BY Title;
```

```
+-----+
| Title |
+-----+
| Access
| Arts
| Computers
| Excel
| Science
+-----+
```

5 rows in set (0.00 sec)

```
mysql> SELECT *
-> FROM Book
-> ORDER BY Price DESC;
```

```
+-----+-----+-----+-----+-----+-----+
| BookID | Title   | Author | Category | Price | PubID |
+-----+-----+-----+-----+-----+-----+
| B3     | Access | P.Paul | 2        | 30.00 | Pub03 |
| B2     | Computers | M.Thomas | 4        | 25.00 | Pub02 |
| B1     | Excel  | R.David | 2        | 18.00 | Pub02 |
| B4     | Arts   | W.Shiva | 1        | 10.00 | Pub04 |
| B5     | Science | A.Rahul | 3        | 9.00  | Pub01 |
+-----+-----+-----+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> SELECT *
-> FROM Book
-> ORDER BY Price,Title;
```

```
+-----+-----+-----+-----+-----+-----+
| BookID | Title   | Author | Category | Price | PubID |
+-----+-----+-----+-----+-----+-----+
| B5     | Science | A.Rahul | 3        | 9.00  | Pub01 |
| B4     | Arts   | W.Shiva | 1        | 10.00 | Pub04 |
| B1     | Excel  | R.David | 2        | 18.00 | Pub02 |
| B2     | Computers | M.Thomas | 4        | 25.00 | Pub02 |
| B3     | Access | P.Paul | 2        | 30.00 | Pub03 |
+-----+-----+-----+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql>
```

5)

```
mysql> SELECT *
-> FROM Book;
+-----+-----+-----+-----+-----+-----+
| BookID | Title   | Author | Category | Price | PubID |
+-----+-----+-----+-----+-----+-----+
| B1     | Excel  | R.David | 2        | 18.00 | Pub02 |
| B2     | Computers | M.Thomas | 4        | 25.00 | Pub02 |
| B3     | Access | P.Paul  | 2        | 30.00 | Pub03 |
| B4     | Arts   | W.Shiva | 1        | 10.00 | Pub04 |
| B5     | Science | A.Rahul | 3        | 9.00  | Pub01 |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> UPDATE Book
-> SET Category=3
-> WHERE BookID='B3';
Query OK, 1 row affected (0.06 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT *
-> FROM Book;
+-----+-----+-----+-----+-----+-----+
| BookID | Title   | Author | Category | Price | PubID |
+-----+-----+-----+-----+-----+-----+
| B1     | Excel  | R.David | 2        | 18.00 | Pub02 |
| B2     | Computers | M.Thomas | 4        | 25.00 | Pub02 |
| B3     | Access | P.Paul  | 3        | 30.00 | Pub03 |
| B4     | Arts   | W.Shiva | 1        | 10.00 | Pub04 |
| B5     | Science | A.Rahul | 3        | 9.00  | Pub01 |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.04 sec)

mysql> UPDATE Book
-> SET Price=Price+10
-> WHERE BookID='B3';
Query OK, 1 row affected (0.08 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT *
-> FROM Book;
+-----+-----+-----+-----+-----+-----+
| BookID | Title   | Author | Category | Price | PubID |
+-----+-----+-----+-----+-----+-----+
| B1     | Excel  | R.David | 2        | 18.00 | Pub02 |
| B2     | Computers | M.Thomas | 4        | 25.00 | Pub02 |
| B3     | Access | P.Paul  | 3        | 40.00 | Pub03 |
| B4     | Arts   | W.Shiva | 1        | 10.00 | Pub04 |
| B5     | Science | A.Rahul | 3        | 9.00  | Pub01 |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```



5 rows in set (0.00 sec)

```
mysql> DELETE FROM Book
      -> WHERE BookID='B3';
```

Query OK, 1 row affected (0.07 sec)

```
mysql> SELECT *
      -> FROM Book;
```

BookID	Title	Author	Category	Price	PubID
B1	Excel	R.David	2	18.00	Pub02
B2	Computers	M.Thomas	4	25.00	Pub02
B4	Arts	W.Shiva	1	10.00	Pub04
B5	Science	A.Rahul	3	9.00	Pub01

4 rows in set (0.04 sec)

```
mysql> DELETE FROM Book
      -> WHERE Category=2;
```

Query OK, 1 row affected (0.11 sec)

```
mysql> SELECT *
      -> FROM Book;
```

BookID	Title	Author	Category	Price	PubID
B2	Computers	M.Thomas	4	25.00	Pub02
B4	Arts	W.Shiva	1	10.00	Pub04
B5	Science	A.Rahul	3	9.00	Pub01

3 rows in set (0.00 sec)

```
mysql> TRUNCATE TABLE Book;
```

Query OK, 0 rows affected (0.84 sec)

```
mysql> SELECT *
      -> FROM Book;
```

Empty set (0.16 sec)

```
mysql>
```