

```

MariaDB [GLOMART]> CREATE TABLE Item(
  -> Item_No INT (10) NOT NULL,
  -> Description VARCHAR (30),
  -> Available_Quantity INT (5) ,
  -> Cost INT (5),
  -> PRIMARY KEY(Item_No)
  -> );
Query OK, 0 rows affected (0.049 sec)

MariaDB [GLOMART]> );desc Item;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your Maria
1
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Item_No | int(10) | NO | PRI | NULL | |
| Description | varchar(30) | YES | | NULL | |
| Available_Quantity | int(5) | YES | | NULL | |
| Cost | int(5) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.030 sec)

MariaDB [GLOMART]>

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MariaDB [GLOMART]> INSERT INTO Item VALUES(1101, "Milk Products",5, 250);
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> INSERT INTO Item VALUES(1102, "Wheat Flour",24, 200);
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> INSERT INTO Item VALUES(1103, "Bottled Water",50, 100);
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> INSERT INTO Item VALUES(1404, "Biscuits",72, 80);
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> INSERT INTO Item VALUES(1405, "Soap",60, 45);
Query OK, 1 row affected (0.027 sec)

MariaDB [GLOMART]> UPDATE Item
  -> SET Available_Quantity = 45
  -> where Item_No = 1101;
Query OK, 1 row affected (0.008 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [GLOMART]> UPDATE Item
  -> SET Item_No = 1202
  -> WHERE Item_No = 1102;
Query OK, 1 row affected (0.009 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [GLOMART]> UPDATE Item
  -> SET Item_No = 1303
  -> where Item_No = 1103;
Query OK, 1 row affected (0.008 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [GLOMART]> SELECT * FROM Item;

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MariaDB [GLOMART]> UPDATE Item
  -> SET Item_No = 1202
  -> WHERE Item_No = 1102;
Query OK, 1 row affected (0.009 sec)
Rows matched: 1  Changed: 1  Warnings: 0

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MariaDB [GLOMART]> UPDATE Item
  -> SET Item_No = 1303
  -> where Item_No = 1103;
Query OK, 1 row affected (0.008 sec)
Rows matched: 1  Changed: 1  Warnings: 0

```

```

MariaDB [GLOMART]> SELECT * FROM Item;
+-----+-----+-----+-----+
| Item_No | Description | Available_Quantity | Cost |
+-----+-----+-----+-----+
| 1101 | Milk Products | 45 | 250 |
| 1202 | Wheat Flour | 24 | 200 |
| 1303 | Bottled Water | 50 | 100 |
| 1404 | Biscuits | 72 | 80 |
| 1405 | Soap | 60 | 45 |
+-----+-----+-----+-----+
5 rows in set (0.001 sec)

```

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MariaDB [GLOMART]>

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```

MariaDB [GLOMART]> CREATE TABLE Orders(
  -> Order_Id INT (10) NOT NULL,
  -> Order_Date VARCHAR (30),
  -> Cust_Id INT,
  -> PRIMARY KEY(Order_Id),
  -> FOREIGN KEY(Cust_Id) REFERENCES Customer (Cust_Id)
  -> );
Query OK, 0 rows affected (0.059 sec)

```

```

MariaDB [GLOMART]> desc Orders;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Order_Id | int(10) | NO | PRI | NULL | |
| Order_Date | varchar(30) | YES | | NULL | |
| Cust_Id | int(11) | YES | MUL | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.033 sec)

```

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MariaDB [GLOMART]>

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```
MariaDB [GLOMART]> INSERT INTO Orders VALUES(01, "11-12-2020", 1001);
Query OK, 1 row affected (0.009 sec)
```

```
MariaDB [GLOMART]> INSERT INTO Orders VALUES(02, "30-12-2020", 1002);
Query OK, 1 row affected (0.009 sec)
```

```
MariaDB [GLOMART]> INSERT INTO Orders VALUES(03, "01-02-2021", 1001);
Query OK, 1 row affected (0.009 sec)
```

```
MariaDB [GLOMART]> INSERT INTO Orders VALUES(04, "03-05-2021", 1003);
Query OK, 1 row affected (0.008 sec)
```

```
MariaDB [GLOMART]> INSERT INTO Orders VALUES(05, "05-05-2021", 1005);
Query OK, 1 row affected (0.008 sec)
```

```
MariaDB [GLOMART]> INSERT INTO Orders VALUES(06, "14-06-2021", 1004);
Query OK, 1 row affected (0.009 sec)
```

```
MariaDB [GLOMART]> SELECT * FROM Orders;
```

Order_Id	Order_Date	Cust_Id
1	11-12-2020	1001
2	30-12-2020	1002
3	01-02-2021	1001
4	03-05-2021	1003
5	05-05-2021	1005
6	14-06-2021	1004

```
6 rows in set (0.001 sec)
```

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MariaDB [GLOMART]>
```

```
) at line 5
```

```
MariaDB [GLOMART]> CREATE TABLE Order_Item(
->   Order_Id INT NOT NULL,
->   Item_No INT NOT NULL,
->   Quantity_Ordered INT (5),
->   FOREIGN KEY(Order_Id) REFERENCES Orders(Order_Id),
->   FOREIGN KEY(Item_No) REFERENCES Item(Item_No)
-> );
```

```
Query OK, 0 rows affected (0.063 sec)
```

```
MariaDB [GLOMART]> DESC Order_Item;
```

Field	Type	Null	Key	Default	Extra
Order_Id	int(11)	NO	MUL	NULL	
Item_No	int(11)	NO	MUL	NULL	
Quantity_Ordered	int(5)	YES		NULL	

```
3 rows in set (0.032 sec)
```

```
MariaDB [GLOMART]>
```

```

MariaDB [GLOMART]> INSERT INTO Order_Item VALUES(01 , 1404,2);
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> INSERT INTO Order_Item VALUES(03 , 1202,1);
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> INSERT INTO Order_Item VALUES(05, 1405,3);
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> INSERT INTO Order_Item VALUES(01, 1101,1);
Query OK, 1 row affected (0.003 sec)

MariaDB [GLOMART]> INSERT INTO Order_Item VALUES(02, 1303,2);
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> INSERT INTO Order_Item VALUES(04, 1404,3);
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> INSERT INTO Order_Item VALUES(06, 1303,5);
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> INSERT INTO Order_Item VALUES(0, 1202,2);
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`glomart`.`order_item`, CONSTRAINT `order_item_ibfk_1` FOREIGN KEY (`Order_Id`) REFERENCES `orders` (`Order_Id`))
MariaDB [GLOMART]> INSERT INTO Order_Item VALUES(02, 1202,2);
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> SELECT * FROM Order_Item;
+-----+-----+-----+
| Order_Id | Item_No | Quantity_Ordered |
+-----+-----+-----+
| 1 | 1404 | 2 |
| 3 | 1202 | 1 |
| 5 | 1405 | 3 |
| 1 | 1101 | 1 |
| 2 | 1303 | 2 |
| 4 | 1404 | 3 |
| 6 | 1303 | 5 |
| 2 | 1202 | 2 |
+-----+-----+-----+

```

```

MariaDB [GLOMART]> SELECT * FROM CUSTOMER;
+-----+-----+-----+-----+-----+-----+
| Cust_ID | FirstName | LastName | Address | District | Telephone |
+-----+-----+-----+-----+-----+-----+
| 1001 | Sathya | Vijesooriya | 36, Galle Rd | Kandy | 0711000200 |
| 1002 | Akila | Bandara | Thorayaya | Kurnegala | 0712000300 |
| 1003 | Nuwan | Gunarathna | 54/1 Nugegoda | Colombo | 0713000400 |
| 1004 | Kapila | Bandara | Thewaththa Rd | Galle | 0714000500 |
| 1005 | Anusha | Thennakon | St. Peter's Rd | Kandy | 0715000600 |
| 1006 | Tanya | Perera | Bambalapitiya | Colombo | 0716000700 |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)

MariaDB [GLOMART]>

```

```

MariaDB [GLOMART]> SELECT Available_Quantity, Description from Item;
+-----+-----+
| Available_Quantity | Description |
+-----+-----+
| 45 | Milk Products |
| 24 | Wheat Flour |
| 50 | Bottled Water |
| 72 | Biscuits |
| 60 | Soap |
+-----+-----+
5 rows in set (0.001 sec)

MariaDB [GLOMART]>

```

```
MariaDB [GLOMART]> SELECT * FROM Customer
-> WHERE District = "Kandy";
```

Cust_ID	FirstName	LastName	Address	District	Telephone
1001	Sathya	Vijesooriya	36, Galle Rd	Kandy	0711000200
1005	Anusha	Thennakon	St. Peter's Rd	Kandy	0715000600

```
2 rows in set (0.006 sec)
```

```
MariaDB [GLOMART]>
```

```
MariaDB [GLOMART]> SELECT FirstName, LastName, Cust_ID, Telephone from Customer
-> WHERE District = "Galle" or District = "Colombo";
```

FirstName	LastName	Cust_ID	Telephone
Nuwan	Gunarathna	1003	0713000400
Kapila	Bandara	1004	0714000500
Tanya	Perera	1006	0716000700

```
3 rows in set (0.001 sec)
```

```
MariaDB [GLOMART]> SELECT * FROM Item
-> WHERE Available_Quantity > 100;
Empty set (0.001 sec)
```

```
MariaDB [GLOMART]>
```

```
MariaDB [GLOMART]> UPDATE Item
-> SET Cost = 275
-> WHERE Cost = 250;
Query OK, 1 row affected (0.005 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
MariaDB [GLOMART]>
```

```
MariaDB [GLOMART]> SELECT COUNT(District), District FROM Customer
-> GROUP BY District;
```

COUNT(District)	District
2	Colombo
1	Galle
2	Kandy
1	Kurnegala

```
4 rows in set (0.001 sec)
```

```
C:\Users\easpa>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.22-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| labtest3 |
| mysql |
| performance_schema |
| phpmyadmin |
| sheshanpratice |
| test |
+-----+
7 rows in set (0.076 sec)

MariaDB [(none)]> create database GLOMART;
Query OK, 1 row affected (0.009 sec)

MariaDB [(none)]> use GLOMART;
Database changed
MariaDB [GLOMART]>
```

```
MariaDB [(none)]> use GLOMART;
Database changed
MariaDB [GLOMART]> create table Customer(
  -> Cust_ID INT (10) NOT NULL,
  -> FirstName varchar (20),
  -> LastName varchar (20),
  -> Address varchar (30),
  -> District varchar (30),
  -> Telephone varchar (20),
  -> PRIMARY KEY (Cust_ID)
  -> );
```

Query OK, 0 rows affected (0.059 sec)

```
MariaDB [GLOMART]> desc Customer;
```

Field	Type	Null	Key	Default	Extra
Cust_ID	int(10)	NO	PRI	NULL	
FirstName	varchar(20)	YES		NULL	
LastName	varchar(20)	YES		NULL	
Address	varchar(30)	YES		NULL	
District	varchar(30)	YES		NULL	
Telephone	varchar(20)	YES		NULL	

6 rows in set (0.051 sec)

```
MariaDB [GLOMART]>
```

```

MariaDB [GLOMART]> INSERT INTO Customer values(1001, "Sathya", "Vijesooriya", "36, Galle Rd", "Kandy", "0711000200");
Query OK, 1 row affected (0.109 sec)

MariaDB [GLOMART]> INSERT INTO Customer VALUES(1002, "Akila", "Bandara", "Thorayaya", "Kurnegala", "0712000300");
Query OK, 1 row affected (0.009 sec)

MariaDB [GLOMART]> INSERT INTO Customer VALUES(1003, "Nuwan", "Gunarathna", "54/1< Nugegoda", "Colombo", "0713000400");
Query OK, 1 row affected (0.009 sec)

MariaDB [GLOMART]> INSERT INTO Customer VALUES(1004, "Kapila", "Bandara", "Thewaththa Rd", "Galle", "0714000500");
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> INSERT INTO Customer VALUES(1005, "Anusha", "Thennakon", "St. Peter's Rd", "Kandy", "0715000600");
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> INSERT INTO Customer VALUES(1006, "Tanya", "Perera", "Bambalapitiya", "Colombo", "0716000700");
Query OK, 1 row affected (0.008 sec)

MariaDB [GLOMART]> SELECT * FROM Customers;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version
10.5.18-MariaDB at line 1
MariaDB [GLOMART]> SELECT * FROM Customers;
ERROR 1146 (42S02): Table 'glomart.customers' doesn't exist
MariaDB [GLOMART]> SELECT * FROM Customer;
+-----+-----+-----+-----+-----+-----+
| Cust_ID | FirstName | LastName | Address | District | Telephone |
+-----+-----+-----+-----+-----+-----+
| 1001 | Sathya | Vijesooriya | 36, Galle Rd | Kandy | 0711000200 |
| 1002 | Akila | Bandara | Thorayaya | Kurnegala | 0712000300 |
| 1003 | Nuwan | Gunarathna | 54/1< Nugegoda | Colombo | 0713000400 |
| 1004 | Kapila | Bandara | Thewaththa Rd | Galle | 0714000500 |
| 1005 | Anusha | Thennakon | St. Peter's Rd | Kandy | 0715000600 |
| 1006 | Tanya | Perera | Bambalapitiya | Colombo | 0716000700 |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)

```

```

MariaDB [GLOMART]> UPDATE Customer
    -> SET Address = "54/1 Nugegoda"
    -> WHERE Cust_ID = 1003;
Query OK, 1 row affected (0.010 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [GLOMART]> SELECT * FROM Customers;
ERROR 1146 (42S02): Table 'glomart.customers' doesn't exist
MariaDB [GLOMART]> SELECT * FROM Customer;
+-----+-----+-----+-----+-----+-----+
| Cust_ID | FirstName | LastName | Address | District | Telephone |
+-----+-----+-----+-----+-----+-----+
| 1001 | Sathya | Vijesooriya | 36, Galle Rd | Kandy | 0711000200 |
| 1002 | Akila | Bandara | Thorayaya | Kurnegala | 0712000300 |
| 1003 | Nuwan | Gunarathna | 54/1 Nugegoda | Colombo | 0713000400 |
| 1004 | Kapila | Bandara | Thewaththa Rd | Galle | 0714000500 |
| 1005 | Anusha | Thennakon | St. Peter's Rd | Kandy | 0715000600 |
| 1006 | Tanya | Perera | Bambalapitiya | Colombo | 0716000700 |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)

```