

ELECTRONIC GADGETS TECHSHOP OUTPUTS

Creating and Inserting Values:

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

mysql> use TechShopDB;
Database changed
mysql> CREATE TABLE Customers (
  ->   CustomerID INT PRIMARY KEY AUTO_INCREMENT,
  ->   FirstName VARCHAR(50),
  ->   LastName VARCHAR(50),
  ->   Email VARCHAR(100),
  ->   Phone VARCHAR(15),
  ->   Address VARCHAR(200)
  -> );
Query OK, 0 rows affected (0.03 sec)

mysql> CREATE TABLE Products (
  ->   ProductID INT PRIMARY KEY AUTO_INCREMENT,
  ->   ProductName VARCHAR(100),
  ->   Description TEXT,
  ->   Price DECIMAL(10,2)
  -> );
Query OK, 0 rows affected (0.04 sec)

mysql> CREATE TABLE Orders (
  ->   OrderID INT PRIMARY KEY AUTO_INCREMENT,
  ->   CustomerID INT,
  ->   OrderDate DATE,
  ->   TotalAmount DECIMAL(10,2),
  ->   FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)
  -> );
Query OK, 0 rows affected (0.05 sec)

mysql> CREATE TABLE OrderDetails (
  ->   OrderDetailID INT PRIMARY KEY AUTO_INCREMENT,
  ->   OrderID INT,
  ->   ProductID INT,
  ->   Quantity INT,
  ->   FOREIGN KEY (OrderID) REFERENCES Orders(OrderID),
  ->   FOREIGN KEY (ProductID) REFERENCES Products(ProductID)
  -> );
Query OK, 0 rows affected (0.04 sec)

mysql> CREATE TABLE Inventory (
  ->   InventoryID INT PRIMARY KEY AUTO_INCREMENT,
  ->   ProductID INT,
  ->   QuantityInStock INT,
  ->   LastStockUpdate TIMESTAMP DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
  ->   FOREIGN KEY (ProductID) REFERENCES Products(ProductID)
  -> );
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO Customers (FirstName, LastName, Email, Phone, Address) VALUES
  -> ('John', 'Smith', 'john.smith@email.com', '555-0101', '123 Main St, Anytown, USA'),
  -> ('Emily', 'Johnson', 'emily.j@email.com', '555-0102', '456 Oak Ave, Somewhere, USA'),
  -> ('Michael', 'Williams', 'michael.w@email.com', '555-0103', '789 Pine Rd, Nowhere, USA'),
  -> ('Sarah', 'Brown', 'sarah.b@email.com', '555-0104', '321 Elm St, Anycity, USA'),
  -> ('David', 'Jones', 'david.j@email.com', '555-0105', '654 Maple Dr, Yourtown, USA'),
  -> ('Jennifer', 'Garcia', 'jennifer.g@email.com', '555-0106', '987 Cedar Ln, Ourcity, USA'),
  -> ('Robert', 'Miller', 'robert.m@email.com', '555-0107', '135 Birch Blvd, Theirtown, USA'),
  -> ('Lisa', 'Davis', 'lisa.d@email.com', '555-0108', '246 Walnut Way, Thistown, USA'),
  -> ('James', 'Rodriguez', 'james.r@email.com', '555-0109', '369 Spruce Ct, Thatcity, USA'),
  -> ('Patricia', 'Martinez', 'patricia.m@email.com', '555-0110', '482 Poplar Pl, Othertown, USA');
Query OK, 10 rows affected (0.01 sec)
Records: 10 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Products (ProductName, Description, Price) VALUES
  -> ('iPhone 15 Pro', 'Latest Apple smartphone with A17 Pro chip', 999.99),
  -> ('Samsung Galaxy S23', 'Android flagship with Snapdragon 8 Gen 2', 799.99),
  -> ('MacBook Pro 14"', 'Apple laptop with M2 Pro chip, 16GB RAM', 1999.99),
  -> ('Dell XPS 15', 'Windows laptop with Intel i7, 32GB RAM', 1799.99),
  -> ('Sony WH-1000XM5', 'Premium noise-cancelling headphones', 399.99),
  -> ('Apple AirPods Pro', 'Wireless earbuds with active noise cancellation', 249.99),
  -> ('iPad Pro 12.9"', 'Apple tablet with M2 chip and Liquid Retina display', 1099.99),
  -> ('Samsung Galaxy Tab S8', 'Android tablet with S Pen included', 699.99),
  -> ('PlayStation 5', 'Sony gaming console with 825GB SSD', 499.99),
  -> ('Xbox Series X', 'Microsoft gaming console with 1TB SSD', 499.99);
Query OK, 10 rows affected (0.01 sec)
Records: 10 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Inventory (ProductID, QuantityInStock) VALUES
  -> (1, 50), (2, 45), (3, 30), (4, 25), (5, 60),
  -> (6, 75), (7, 40), (8, 35), (9, 20), (10, 20);
Query OK, 10 rows affected (0.01 sec)
```

```
mysql> INSERT INTO Orders (CustomerID, OrderDate, TotalAmount) VALUES
-> (1, '2023-10-01', 999.99),
-> (2, '2023-10-02', 1799.99),
-> (3, '2023-10-03', 399.99),
-> (4, '2023-10-04', 249.99),
-> (5, '2023-10-05', 1099.99),
-> (6, '2023-10-06', 699.99),
-> (7, '2023-10-07', 499.99),
-> (8, '2023-10-08', 499.99),
-> (9, '2023-10-09', 1999.99),
-> (10, '2023-10-10', 799.99);
Query OK, 10 rows affected (0.01 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

```
mysql> INSERT INTO OrderDetails (OrderID, ProductID, Quantity) VALUES
-> (1, 1, 1),
-> (2, 4, 1),
-> (3, 5, 1),
-> (4, 6, 1),
-> (5, 7, 1),
-> (6, 8, 1),
-> (7, 9, 1),
-> (8, 10, 1),
-> (9, 3, 1),
-> (10, 2, 1);
Query OK, 10 rows affected (0.01 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

```
mysql> select * from Customers;
```

CustomerID	FirstName	LastName	Email	Phone	Address
1	John	Smith	john.smith@email.com	555-0101	123 Main St, Anytown, USA
2	Emily	Johnson	emily.j@email.com	555-0102	456 Oak Ave, Somewhere, USA
3	Michael	Williams	michael.w@email.com	555-0103	789 Pine Rd, Nowhere, USA
4	Sarah	Brown	sarah.b@email.com	555-0104	321 Elm St, Anycity, USA
5	David	Jones	david.j@email.com	555-0105	654 Maple Dr, Yourtown, USA
6	Jennifer	Garcia	jennifer.g@email.com	555-0106	987 Cedar Ln, Ourcity, USA
7	Robert	Miller	robert.m@email.com	555-0107	135 Birch Blvd, Theirtown, USA
8	Lisa	Davis	lisa.d@email.com	555-0108	246 Walnut Way, Thistown, USA
9	James	Rodriguez	james.r@email.com	555-0109	369 Spruce Ct, Thatcity, USA
10	Patricia	Martinez	patricia.m@email.com	555-0110	482 Poplar Pl, Othertown, USA

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

```
mysql> select * from Products;
```

ProductID	ProductName	Description	Price
1	iPhone 15 Pro	Latest Apple smartphone with A17 Pro chip	999.99
2	Samsung Galaxy S23	Android flagship with Snapdragon 8 Gen 2	799.99
3	MacBook Pro 14"	Apple laptop with M2 Pro chip, 16GB RAM	1999.99
4	Dell XPS 15	Windows laptop with Intel i7, 32GB RAM	1799.99
5	Sony WH-1000XM5	Premium noise-cancelling headphones	399.99
6	Apple AirPods Pro	Wireless earbuds with active noise cancellation	249.99
7	iPad Pro 12.9"	Apple tablet with M2 chip and Liquid Retina display	1099.99
8	Samsung Galaxy Tab S8	Android tablet with S Pen included	699.99
9	PlayStation 5	Sony gaming console with 825GB SSD	499.99
10	Xbox Series X	Microsoft gaming console with 1TB SSD	499.99

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

```
mysql> select * from Inventory;
```

InventoryID	ProductID	QuantityInStock	LastStockUpdate
1	1	50	2025-04-16 22:37:20
2	2	45	2025-04-16 22:37:20
3	3	30	2025-04-16 22:37:20
4	4	25	2025-04-16 22:37:20
5	5	60	2025-04-16 22:37:20
6	6	75	2025-04-16 22:37:20
7	7	40	2025-04-16 22:37:20
8	8	35	2025-04-16 22:37:20
9	9	20	2025-04-16 22:37:20
10	10	20	2025-04-16 22:37:20

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

```
mysql> select * from Orders;
```

OrderID	CustomerID	OrderDate	TotalAmount
1	1	2023-10-01	999.99
2	2	2023-10-02	1799.99
3	3	2023-10-03	399.99
4	4	2023-10-04	249.99
5	5	2023-10-05	1099.99
6	6	2023-10-06	699.99
7	7	2023-10-07	499.99
8	8	2023-10-08	499.99
9	9	2023-10-09	1999.99
10	10	2023-10-10	799.99

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

```
mysql> select * from OrderDetails;
```

OrderDetailID	OrderID	ProductID	Quantity
1	1	1	1
2	2	4	1
3	3	5	1
4	4	6	1
5	5	7	1
6	6	8	1
7	7	9	1
8	8	10	1
9	9	3	1
10	10	2	1

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

1. Register Customer:

```
Database connected successfully...
WELCOME TO TECHSHOP ELECTRONIC GADGETS STORE
-----

MAIN MENU
1. Register Customer
2. Add/Update Product
3. Place Order
4. Check Order Status
5. View All Products
6. Update Inventory
7. Update Customer Info
8. Process Payment
9. Search Products
10. Exit
-----

Enter your choice (1-10): 1
=== Customer Registration ===
First Name: Jagasri
Last Name: Balakrishnan
Email: jagasri@example.com
Phone: 8925311943
Address: ayapakkam, chennai-51
Registration successful! Your Customer ID: 11
```

2. Add/Update Product:

```
MAIN MENU
1. Register Customer
2. Add/Update Product
3. Place Order
4. Check Order Status
5. View All Products
6. Update Inventory
7. Update Customer Info
8. Process Payment
9. Search Products
10. Exit
-----

Enter your choice (1-10): 2
1. Add New Product
2. Update Existing Product
Choose option: 1
Product Name: iPhone 15 Pro
Description: Latest Apple smartphone with A17 Pro chip
Price: 1000000
Product added! Product ID: 11
```

3. Place Order:

```
MAIN MENU
1. Register Customer
2. Add/Update Product
3. Place Order
4. Check Order Status
5. View All Products
6. Update Inventory
7. Update Customer Info
8. Process Payment
9. Search Products
10. Exit
-----
Enter your choice (1-10): 3
Available Products:
1. iPhone 15 Pro - $999.99
2. Samsung Galaxy S23 - $799.99
3. MacBook Pro 14" - $1999.99
4. Dell XPS 15 - $1799.99
5. Sony WH-1000XM5 - $399.99
6. Apple AirPods Pro - $249.99
7. iPad Pro 12.9" - $1099.99
8. Samsung Galaxy Tab S8 - $699.99
9. PlayStation 5 - $499.99
10. Xbox Series X - $499.99
11. iPhone 15 Pro - $10000.00
Enter product IDs and quantities (comma separated, e.g., '1,2 3,1'):
5,6
Order placed successfully! Order ID:12
Total Amount: $649.98
```

4. Check Order Status

```
MAIN MENU
1. Register Customer
2. Add/Update Product
3. Place Order
4. Check Order Status
5. View All Products
6. Update Inventory
7. Update Customer Info
8. Process Payment
9. Search Products
10. Exit
-----
Enter your choice (1-10): 4
Enter Order ID: 10
Order Status:
ID: 10
Date: 2023-10-10
Total: $799.99
Customer: 10
```

5. View All Products:

```
MAIN MENU
1. Register Customer
2. Add/Update Product
3. Place Order
4. Check Order Status
5. View All Products
6. Update Inventory
7. Update Customer Info
8. Process Payment
9. Search Products
10. Exit
-----
Enter your choice (1-10): 5
=== Product Catalog ===
1. iPhone 15 Pro - $999.99 | Latest Apple smartphone with A17 Pro chip
2. Samsung Galaxy S23 - $799.99 | Android flagship with Snapdragon 8 Gen 2
3. MacBook Pro 14" - $1999.99 | Apple laptop with M2 Pro chip, 16GB RAM
4. Dell XPS 15 - $1799.99 | Windows laptop with Intel i7, 32GB RAM
5. Sony WH-1000XM5 - $399.99 | Premium noise-cancelling headphones
6. Apple AirPods Pro - $249.99 | Wireless earbuds with active noise cancellation
7. iPad Pro 12.9" - $1099.99 | Apple tablet with M2 chip and Liquid Retina display
8. Samsung Galaxy Tab S8 - $699.99 | Android tablet with S Pen included
9. PlayStation 5 - $499.99 | Sony gaming console with 825GB SSD
10. Xbox Series X - $499.99 | Microsoft gaming console with 1TB SSD
11. iPhone 15 Pro - $1000000.0 | Latest Apple smartphone with A17 Pro chip
```

6. Update Inventory:

```
MAIN MENU
1. Register Customer
2. Add/Update Product
3. Place Order
4. Check Order Status
5. View All Products
6. Update Inventory
7. Update Customer Info
8. Process Payment
9. Search Products
10. Exit
-----
Enter your choice (1-10): 6
Product ID: 11
Quantity to add (use negative to remove): 5
Inventory updated successfully!
```

7. Update Customer Information:

```
MAIN MENU
1. Register Customer
2. Add/Update Product
3. Place Order
4. Check Order Status
5. View All Products
6. Update Inventory
7. Update Customer Info
8. Process Payment
9. Search Products
10. Exit
-----
Enter your choice (1-10): 7
Customer ID: 11
Current Info:
Name: Jagasri Balakrishnan
Email: jagasri@example.com
Phone: 8925311943
Address: ayapakkam, chennai-51

Enter new details:
New First Name: Jagasri
New Last Name: B
New Email: j25@example.com
New Phone: 8939257532
New Address: madhavaram, chennai
Customer information updated!
```

8. Process Payment

```
MAIN MENU
1. Register Customer
2. Add/Update Product
3. Place Order
4. Check Order Status
5. View All Products
6. Update Inventory
7. Update Customer Info
8. Process Payment
9. Search Products
10. Exit
-----
Enter your choice (1-10): 8
Order ID: 10
Payment Amount: 150000
Processing payment...
Payment of $150000.0 successful for Order #10
```

9. Search Products:

```
MAIN MENU
1. Register Customer
2. Add/Update Product
3. Place Order
4. Check Order Status
5. View All Products
6. Update Inventory
7. Update Customer Info
8. Process Payment
9. Search Products
10. Exit
-----
Enter your choice (1-10): 9
Search term (name/description): samsung galaxy
Search Results:
2. Samsung Galaxy S23 - $799.99 | Android flagship with Snapdragon 8 Gen 2
8. Samsung Galaxy Tab S8 - $699.99 | Android tablet with S Pen included
```