

File Edit View Query Database Server Tools Scripting Help

Navigator

SQL File 7* products

Limit to 1000 row

```

1 • create table products(
2   s_no int(10), product_name varchar(50), product_price float(10), manufacturing_year int(4), product_type varchar(50)
3 );
4 • INSERT INTO products (s_no, product_name, product_price, manufacturing_year, product_type)
5   VALUES (1, 'Product A', 50.00, 2022, 'Electronics'),
6   (2, 'Product B', 30.00, 2021, 'Electronics'),
7   (3, 'Product C', 25.00, 2020, 'Electronics'),
8   (4, 'Product D', 15.00, 2023, 'Household'),
9   (5, 'Product E', 20.00, 2021, 'Household'), (6, 'Product F', 40.00, 2022, 'Household'),
10  (7, 'Product G', 10.00, 2020, 'Household'),
11  (8, 'Product H', 60.00, 2022, 'Electronics'),
12  (9, 'Product I', 35.00, 2021, 'Electronics'),
13  (10, 'Product J', 22.00, 2023, 'Electronics');
14 • select * from products;

```

Result Grid

s_no	product_name	product_price	manufacturing_year	product_type
1	Product A	50	2022	Electronics
2	Product B	30	2021	Electronics
3	Product C	25	2020	Electronics
4	Product D	15	2023	Household
5	Product E	20	2021	Household
6	Product F	40	2022	Household
7	Product G	10	2020	Household
8	Product H	60	2022	Electronics
9	Product I	35	2021	Electronics
10	Product J	22	2023	Electronics

Table: products

Columns:

- s_no int
- product_name varchar(50)
- product_price float
- manufacturing_year int
- product_type varchar(50)

JDBCdemo.java *Products_jdbc.java

```

1 package Practice_project4;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.SQLException;
6 import java.sql.Statement;
7 import java.sql.ResultSet;
8
9
10 public class Products_jdbc {
11
12     public static void main(String[] args) {
13
14         String dBurl = "jdbc:mysql://localhost:3306/ecommercee";
15         String username = "root";
16         String password = "9Tj7$mj4k";
17
18         try (Connection connection = DriverManager.getConnection(dBurl, username, password)) {
19
20             Statement statement = connection.createStatement();
21
22             String sqlQuery = "SELECT product_type, COUNT(*) AS product_count FROM Products GROUP BY product_type";
23             ResultSet resultSet = statement.executeQuery(sqlQuery);
24
25             while (resultSet.next()) {
26                 String product_type = resultSet.getString("product_type");
27                 int product_count = resultSet.getInt("product_count");
28
29                 System.out.println("Product Type: " + product_type + ", Count: " + product_count);
30             }
31         } catch (SQLException e) {
32             e.printStackTrace();
33         }
34     }
35 }

```

Console

```

<terminated> Products_jdbc [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (20-Jul-2023, 8:58:22 pm - 8:58:24 pm) [pid: 14160]
Connected to the database!
Product Type: Electronics, Count: 6
Product Type: Household, Count: 4

```