//source code of mysql

create table products(

s_no int(10),product_name varchar(50), product_price float(10), manufacturing_year int(4), product_type varchar(50)

);

INSERT INTO products (s_no, product_name, product_price, manufacturing_year, product_type)

VALUES (1, 'Product A', 50.00, 2022, 'Electronics'),

(2, 'Product B', 30.00, 2021, 'Electronics'),

(3, 'Product C', 25.00, 2020, 'Electronics'),

(4, 'Product D', 15.00, 2023, 'Household'),

(5, 'Product E', 20.00, 2021, 'Household'),(6, 'Product F', 40.00, 2022, 'Household'),

(7, 'Product G', 10.00, 2020, 'Household'),

(8, 'Product H', 60.00, 2022, 'Electronics'),

(9, 'Product I', 35.00, 2021, 'Electronics'),

(10, 'Product J', 22.00, 2023, 'Electronics');

select * from products;

//source code of eclipse

```
package Practice_project4;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;
import java.sql.ResultSet;


public class Products_jdbc {

    public static void main(String[] args) {

       String dBurl = "jdbc:mysql://localhost:3306/ecommercee";
              String username = "root";
              String password = "9Tj7$mj4k";

        try (Connection connection = DriverManager.getConnection(dBurl, username,
password)) {

            Statement statement = connection.createStatement();

            String sqlQuery = "SELECT product_type, COUNT(*) AS product_count FROM
Products GROUP BY product_type";
            ResultSet resultSet = statement.executeQuery(sqlQuery);
```

```
            while (resultSet.next()) {
                String product_type = resultSet.getString("product_type");
                int product_count = resultSet.getInt("product_count");

                System.out.println("Product Type: " + product_type + ", Count: " +
product_count);
            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}
```