```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.Scanner;
public class ProductCRUD {
  private static final String URL =
"jdbc:mysql://localhost:3306/
your_database";
  private static final String USER =
"your_username";
  private static final String PASSWORD =
"your_password";
  public static void main(String[] args) {
    try (Connection conn =
DriverManager.getConnection(URL, USER,
PASSWORD);
```

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Scanner scanner = new
Scanner(System.in)) {
      while (true) {
         System.out.println("\n1.
Insert\n2. View\n3. Update\n4. Delete\n5.
Exit");
         int choice = scanner.nextInt();
         switch (choice) {
           case 1 -> insertProduct(conn,
scanner);
           case 2 -> viewProducts(conn);
           case 3 -> updateProduct(conn,
scanner);
           case 4 -> deleteProduct(conn,
scanner);
           case 5 -> System.exit(0);
         }
    } catch (SQLException e) {
```

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e.printStackTrace();
  private static void
insertProduct(Connection conn, Scanner
scanner) throws SQLException {
    System.out.print("Enter Name: ");
    String name = scanner.next();
    System.out.print("Enter Price: ");
    double price = scanner.nextDouble();
    System.out.print("Enter Quantity: ");
    int quantity = scanner.nextInt();
    String sql = "INSERT INTO Product
(ProductName, Price, Quantity) VALUES (?,
?, ?)";
    try (PreparedStatement pstmt =
conn.prepareStatement(sql)) {
      conn.setAutoCommit(false);
      pstmt.setString(1, name);
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pstmt.setDouble(2, price);
      pstmt.setInt(3, quantity);
      pstmt.executeUpdate();
      conn.commit();
    } catch (SQLException e) {
      conn.rollback();
      e.printStackTrace();
  private static void
viewProducts(Connection conn) throws
SQLException {
    String sql = "SELECT * FROM Product";
    try (Statement stmt =
conn.createStatement();
         ResultSet rs =
stmt.executeQuery(sql)) {
      while (rs.next()) {
```

System.out.println(rs.getInt("ProductID") +

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" | " + rs.getString("ProductName") + " | " +
              rs.getDouble("Price") + " | " +
rs.getInt("Quantity"));
  private static void
updateProduct(Connection conn, Scanner
scanner) throws SQLException {
    System.out.print("Enter Product ID to
update: ");
    int id = scanner.nextInt();
    System.out.print("Enter new Price: ");
    double price = scanner.nextDouble();
    System.out.print("Enter new Quantity:
");
    int quantity = scanner.nextInt();
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String sql = "UPDATE Product SET Price = ?, Quantity = ? WHERE ProductID =

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?";
    try (PreparedStatement pstmt =
conn.prepareStatement(sql)) {
      conn.setAutoCommit(false);
      pstmt.setDouble(1, price);
      pstmt.setInt(2, quantity);
      pstmt.setInt(3, id);
      pstmt.executeUpdate();
      conn.commit();
    } catch (SQLException e) {
      conn.rollback();
      e.printStackTrace();
  private static void
deleteProduct(Connection conn, Scanner
scanner) throws SQLException {
    System.out.print("Enter Product ID to
delete: ");
    int id = scanner.nextInt();
```

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String sql = "DELETE FROM Product
WHERE ProductID = ?";
    try (PreparedStatement pstmt =
conn.prepareStatement(sql)) {
      conn.setAutoCommit(false);
      pstmt.setInt(1, id);
      pstmt.executeUpdate();
      conn.commit();
    } catch (SQLException e) {
      conn.rollback();
      e.printStackTrace();
```