Code: -

MySQL Code: -

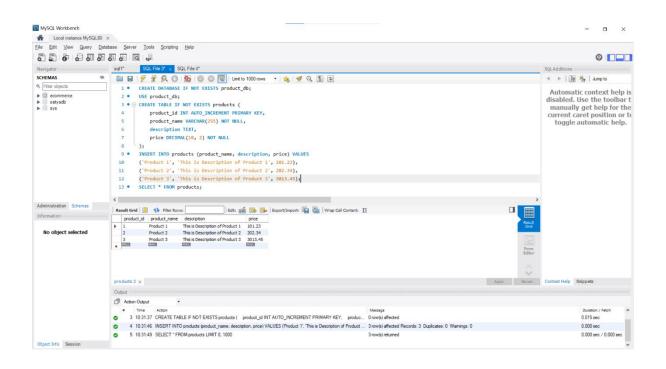
```
CREATE DATABASE IF NOT EXISTS product_db;

USE product_db;

CREATE TABLE IF NOT EXISTS products (
    product_id INT AUTO_INCREMENT PRIMARY KEY,
    product_name VARCHAR(255) NOT NULL,
    description TEXT,
    price DECIMAL(10, 2) NOT NULL
);

INSERT INTO products (product_name, description, price) VALUES
('Product 1', 'This is Description of Product 1', 101.23),
('Product 2', 'This is Description of Product 2', 202.34),
('Product 3', 'This is Description of Product 3', 3013.45);
```

SELECT * FROM products;



Index.html: -

ProductServlet.java: -

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class ProductServlet extends HttpServlet {
    private static final String JDBC_URL = "jdbc:mysql://localhost:3306/product_db";
    private static final String JDBC_USER = "root";
```

```
private static final String JDBC_PASSWORD = "Satti@2001";
  protected void doGet(HttpServletRequest request, HttpServletResponse response)
      throws ServletException, IOException {
    String productId = request.getParameter("productId");
    Connection conn = null;
    PreparedStatement stmt = null;
    ResultSet rs = null;
    try {
      // Establish database connection
      Class.forName("com.mysql.cj.jdbc.Driver");
      conn = DriverManager.getConnection(JDBC URL, JDBC USER,
JDBC PASSWORD);
      // Prepare SQL query
      String sql = "SELECT * FROM products WHERE product id=?";
      stmt = conn.prepareStatement(sql);
      stmt.setString(1, productId);
      // Execute query
      rs = stmt.executeQuery();
      if (rs.next()) {
        // Product found, display details
        String productName = rs.getString("product name");
        String description = rs.getString("description");
        double price = rs.getDouble("price");
```

```
response.setContentType("text/html");
    PrintWriter out = response.getWriter();
    out.println("<html><body>");
    out.println("<h2>Product Details:</h2>");
    out.println("<strong>Product ID:</strong> " + productId + "");
    out.println("<strong>Name:</strong>" + productName + "");
    out.println("<strong>Description:</strong> " + description + "");
    out.println("<strong>Price:</strong> $" + price + "");
    out.println("</body></html>");
  } else {
    // Product not found
    response.setContentType("text/html");
    PrintWriter out = response.getWriter();
    out.println("<html><body>");
    out.println("<h2>Product Not Found</h2>");
    out.println("The product with ID " + productId + " does not exist.");
    out.println("</body></html>");
  }
} catch (Exception e) {
  e.printStackTrace();
} finally {
  // Close resources
  try {
    if (rs != null) rs.close();
    if (stmt != null) stmt.close();
    if (conn != null) conn.close();
  } catch (SQLException e) {
```

```
e.printStackTrace();
}
}
}
```

Web.xml: -