Create database Products;

Use Products;

create table product (

product\_Id int primary key,

product\_name varchar(25),

product\_price float

);

insert into product(product\_id, product\_name, product\_price)

values (1, 'Soap', 90), (2, 'Basmati Rice', 100), (3, 'Chocolate', 200),

(4, 'Biscuits', 350), (5, 'Perfume', 290), (6, 'Shampoo', 120);

// product.html

Display HTML page with a form:

- Form action: ProductServlet1

- Method: POST

- Form fields: productId (input type: text, required)

- Submit button: Submit

// ProductServlet1.java

Get productId from the request parameters

Try:

Load the MySQL JDBC driver

Establish a database connection to the Products database

Prepare a SQL statement to retrieve the product details based on product\_Id

Set the product\_Id parameter in the prepared statement

Create a PrintWriter object for the response

Create an HTML table

Execute the SQL statement

Get the metadata of the result set

Get the total number of columns in the result set

Iterate over the columns and add table headers

Iterate over the result set and add table rows with product details

Close the HTML table

If no products are found, display an error message

Catch any exceptions and print them