//Sql Query

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

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Search Product </title>

</head>

<body>

<h1>Product Details</h1>

<form action=*"ProductServlet1"* method=*"post"*>

<label for=*"productId"*>Product ID:</label>

<input type=*"text"* id=*"productId"* name=*"productId"* required>

<br>

<input type=*"submit"* value=*"Submit"*>

</form>

</body>

</html>

//ProductServlet1.java

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** java.sql.ResultSetMetaData;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class ProductServlet1

\*/

@WebServlet("/ProductServlet1")

**public** **class** ProductServlet1 **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** ProductServlet1() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#service(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** service(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

**int** proid=Integer.*parseInt*(request.getParameter("productId"));

**try** {

Class.*forName*("com.mysql.cj.jdbc.Driver");

Connection con = DriverManager.*getConnection*

("jdbc:mysql://localhost:3306/Products", "root", "root");

PreparedStatement ps= con.prepareStatement("select \* from product where product\_Id=?");

ps.setInt(1, proid);

out.print("<a href='pro.html.html'></a>");

out.print("<table width=100% border=2>");

out.print("<caption> Required Product Details </caption>" );

ResultSet rs=ps.executeQuery();

ResultSetMetaData rsmd=rs.getMetaData();

**int** totalColumn=rsmd.getColumnCount();

out.print("<tr>");

**for**(**int** i=1;i<=totalColumn;i++) {

out.print("<th>"+rsmd.getColumnName(i)+"</th>");

}

out.print("<tr>");

**boolean** found = **false**;

**while**(rs.next()) {

found = **true**;

out.print("<tr><td>"+rs.getInt(1)+"</td><td>"+rs.getString(2)+

"</td><td>"+rs.getFloat(3)+"</td></tr>");

}

out.print("</tr>");

out.print("</table>");

**if** (!found) {

out.print("<h1>Error : Product not found.</h1>");

}

}

**catch**(Exception e) {

out.print(e);

}

}

}