

Sourcecodes:

```
product.java x
1 package com.product;
2
3 import java.io.IOException;
4
5
6
7
8
9
10
11
12
13
14
15
16 public class product extends HttpServlet {
17     private static final long serialVersionUID = 1L;
18     protected void processRequest(HttpServletRequest request, HttpServletResponse response)
19         throws ServletException, IOException {
20         PrintWriter out = response.getWriter();
21         response.setContentType("text/html;charset=UTF-8");
22         out.println("<!DOCTYPE html>");
23         out.println("<html>");
24         out.println("<head>");
25         out.println("<title>Product Details Portal</title>");
26         out.println("</head>");
27         out.println("<body>");
28         try {
29             int id = Integer.parseInt(request.getParameter("id"));
30             String name = request.getParameter("name");
31             String color = request.getParameter("color");
32             float price = Float.parseFloat(request.getParameter("price"));
33
34             ProductClass product1 = new ProductClass(id, name, color, price);
35         }
36     }
37 }
```

```
product.java x
34     ProductClass product1 = new ProductClass(id, name, color, price);
35     // product1 = new ProductClass(id, name, color, price);
36
37     HttpSession session = request.getSession();
38     session.setAttribute("data", product1);
39     request.setAttribute("data", product1.getProductDetails());
40     RequestDispatcher rd = request.getRequestDispatcher("profile.jsp");
41     rd.forward(request, response);
42
43     out.println("</body>");
44     out.println("</html>");
45
46     } catch (NumberFormatException e) {
47         out.println(e);
48     } catch (Exception e) {
49         out.println(e);
50     }
51 }
52
53
54 protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
55     processRequest(request, response);
56 }
57 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
58 }
```

```

product.java x
40     RequestDispatcher rd = request.getRequestDispatcher("profile.jsp");
41     rd.forward(request, response);
42
43     out.println("</body>");
44     out.println("</html>");
45
46     } catch (NumberFormatException e) {
47         out.println(e);
48     } catch (Exception e) {
49         out.println(e);
50     }
51 }
52
53
54 protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
55     processRequest(request, response);
56 }
57 protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
58     // TODO Auto-generated method stub
59     processRequest(request, response);
60 }
61
62 }
63

```

```

product.java  ProductClass.java x
1 package com.product;
2 import java.util.ArrayList;
3
4 public class ProductClass {
5     private int id;
6     private String name;
7     private String color;
8     private float price;
9
10    public ProductClass(int id, String name, String color, float price){
11        this.id=id;
12        this.name=name;
13        this.color=color;
14        this.price=price;
15    }
16
17    public void setId(int id) {
18        this.id = id;
19    }
20
21    public void setName(String name) {
22        this.name = name;
23    }
24

```

product.java ProductClass.java × Speaking: Nikunj (Trainer)

```
40
41 public String getColor() {
42     return color;
43 }
44
45 public float getPrice() {
46     return price;
47 }
48
49 public ArrayList<ProductClass> getProductDetails()
50 {
51     ArrayList<ProductClass> productList = new ArrayList<ProductClass>();
52
53     productList.add(new ProductClass(id, name, color, price));
54
55     for (ProductClass s : productList)
56     {
57         System.out.print("ID, Name, Color, and Price of the product are : ");
58         System.out.println(s.id + " " + s.name + " " + s.color + " " + s.price);
59     }
60     return productList;
61 }
62 }
63
```

product.java ProductClass.java ×

```
25 public void setColor(String color) {
26     this.color = color;
27 }
28
29 public void setPrice(float price) {
30     this.price = price;
31 }
32
33 public int getId() {
34     return id;
35 }
36
37 public String getName() {
38     return name;
39 }
40
41 public String getColor() {
42     return color;
43 }
44
45 public float getPrice() {
46     return price;
47 }
48
49
```

```
product.java ProductClass.java web.xml x
1 <!DOCTYPE web-app PUBLIC
2 "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"
3 "http://java.sun.com/dtd/web-app_2_3.dtd" >
4
5 <web-app>
6   <display-name>Archetype Created Web Application</display-name>
7   <servlet>
8     <servlet-name>product</servlet-name>
9     <display-name>product</display-name>
10    <description></description>
11    <servlet-class>com.product.product</servlet-class>
12  </servlet>
13  <servlet-mapping>
14    <servlet-name>product</servlet-name>
15    <url-pattern>/product</url-pattern>
16  </servlet-mapping>
17 </web-app>
18
```

```
product.java ProductClass.java web.xml index.jsp x
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2   pageEncoding="ISO-8859-1"%>
3
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <meta charset="ISO-8859-1">
8 <title>product details</title>
9 </head>
10 <body>
11 <div align="center">
12   <form method="post" action="product">
13     <h2>Product Details</h2>
14     Id: <input type="number" name="id" required>
15     <br/>
16     Name: <input type="text" name="name" required>
17     <br/>
18     Color: <input type="text" name="color" required>
19     <br/>
20     Price: <input type="number" name="price" required>
21     <br/>
22   </form>
23 </div>
24
```

```
product.java ProductClass.java web.xml index.jsp profile.jsp x
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2   pageEncoding="ISO-8859-1"%>
3 <%@page import="java.util.ArrayList"%>
4 <%@page import="com.product.ProductClass"%>
5 <%@page import="java.util.Iterator"%>
6 <!DOCTYPE html>
7 <html>
8 <head>
9 <meta charset="ISO-8859-1">
10 <title>Insert title here</title>
11 </head>
12 <body>
13
14 <%
15   ArrayList<ProductClass> p1 = (ArrayList) request.getAttribute("data");
16 %>
17
18 <div align="center">
19   <table border="1">
20
21     <tr>
22       <th>ID</th>
23       <th>Name</th>
24       <th>Color</th>
25       <th>Price</th>
26     </tr>
27
28     <%
29       if (request.getAttribute("data") != null) {
30         Iterator<ProductClass> iterator = p1.iterator();
31         while (iterator.hasNext()) {
32           ProductClass pc = iterator.next();
33
34           <tr>
35             <td><%=pc.getId()%></td>
36             <td><%=pc.getName()%></td>
37             <td><%=pc.getColor()%></td>
38             <td><%=pc.getPrice()%></td>
39           </tr>
40         }
41       }
42     %>
43   </table>
44 </div>
45
```

```
product.java ProductClass.java web.xml index.jsp profile.jsp x
22   <th>ID</th>
23   <th>Name</th>
24   <th>Color</th>
25   <th>Price</th>
26 </tr>
27 <%
28   if (request.getAttribute("data") != null) {
29     Iterator<ProductClass> iterator = p1.iterator();
30     while (iterator.hasNext()) {
31       ProductClass pc = iterator.next();
32
33       <tr>
34         <td><%=pc.getId()%></td>
35         <td><%=pc.getName()%></td>
36         <td><%=pc.getColor()%></td>
37         <td><%=pc.getPrice()%></td>
38       </tr>
39     }
40   }
41 }
42 %>
43 </table>
44 </div>
45
```

```
product.java ProductClass.java web.xml index.jsp profile.jsp product_detail/pom.xml x
1<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
2  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
3  <modelVersion>4.0.0</modelVersion>
4  <groupId>com.simplilearn</groupId>
5  <artifactId>product_detail</artifactId>
6  <packaging>war</packaging>
7  <version>0.0.1-SNAPSHOT</version>
8  <name>product_detail Maven Webapp</name>
9  <url>http://maven.apache.org</url>
10 <dependencies>
11   <dependency>
12     <groupId>junit</groupId>
13     <artifactId>junit</artifactId>
14     <version>3.8.1</version>
15     <scope>test</scope>
16   </dependency>
17   <!-- https://mvnrepository.com/artifact/org.apache.maven.plugins/maven-compiler-plugin -->
18 <dependency>
19   <groupId>org.apache.maven.plugins</groupId>
20   <artifactId>maven-compiler-plugin</artifactId>
21   <version>3.10.1</version>
22 </dependency>
23   <!-- https://mvnrepository.com/artifact/javax.servlet/javax.servlet-api -->
```

Outputs:

product.java ProductClass.java web.xml index.jsp profile.jsp product_detail/pom.xml product details x

http://localhost:8082/product_detail/

Product Details

Id: 1

Name: APPLE

Color: silver

Price: 100000

Submit

http://localhost:8082/product_detail/product

| ID | Name | Color | Price |
|----|-------|--------|----------|
| 1 | APPLE | silver | 100000.0 |

