4.Write a program to demonstrate the use of JSP action tags.

Index.jsp:

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF 8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>JSP Action Tags</title>
</head>
<body>
Usage of useBean tag<br>
<jsp:useBean id="productBean" class="com.ecommerce.ProductBean"
scope="session"></jsp:useBean>
<jsp:setProperty property="productId" name="productBean" value="18791"/>
<jsp:setProperty property="productName" name="productBean" value="Optical
Wireless
Mouse"/>
<jsp:setProperty property="price" name="productBean" value="600.00"/>
<a href="showbean.jsp">Access bean properties from another page</a><br>
<a href="forward.jsp">Use Forward action to go to Google</a><br>
<hr>
<jsp:text>
<![CDATA[This is my content.<br/>This will show within a text action tag
exactly as it has
been entered]]>
</jsp:text>
</body>
</html>
```

Forward.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF 8"%>
<jsp:forward page="forwarded.jsp"></jsp:forward>
```

Forwarded.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF 8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Forward Test</title>
</head>
<body>
This page came from forward.jsp by using jsp:forward action tag
</body>
</html>
```

Showbean.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF 8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Display Bean properties</title>
</head>
```

```html
<body>
<jsp:useBean id="productBean" class="com.ecommerce.ProductBean"
scope="session"></jsp:useBean>
Product Id: <jsp:getProperty name="productBean" property="productId" />
<br>
Product Name: <jsp:getProperty name="productBean" property="productName" />
<br>
Product Price: <jsp:getProperty name="productBean" property="price" /> <br>
</body>
</html>
```

ProductBean.java (Servlet):
```java
package com.ecommerce;
import java.io.Serializable;
public class ProductBean implements Serializable {
private String productId;
private String productName;
private double price;
public void setProductId(String value) {
this.productId = value;
}
public void setProductName(String value) {
this.productName = value;
}
public void setPrice(double value) {
this.price = value;
}
public String getProductId() {
return this.productId;
}
public String getProductName() {
return this.productName;
}
public double getPrice() {
return this.price;
}
}
```