

Practical – 8

Struts

Aim : Demonstrate the application of struts.

Theory :

The struts 2 framework is used to develop MVC-based web applications.

The struts framework was initially created by Craig McClanahan and donated to Apache Foundation in May, 2000 and Struts 1.0 was released in June 2001.

The current stable release of Struts is Struts 2.3.16.1 in March 2, 2014.

CODE :

- Index.jsp

```
<%@ taglib uri="/struts-tags" prefix="s" %>
<s:form action="product">
<s:textfield name="id" label="Product Id"> </s:textfield>
<s:textfield name="name" label="Product Name"> </s:textfield>
<s:textfield name="price" label="Product Price"> </s:textfield>
<s:submit value="save"> </s:submit>
</s:form>
```

- web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app>
  <filter>
    <filter-name>struts2</filter-name>
    <filter-class>
      org.apache.struts2.dispatcher.ng.filter.StrutsPrepareAndExecuteFilter
    </filter-class>
  </filter>
  <filter-mapping>
    <filter-name>struts2</filter-name>
    <url-pattern>/*</url-pattern>
  </filter-mapping>
</web-app>
```

- **product.java**

```
package com.javatpoint;

public class Product {
    private int id;
    private String name;
    private float price;
    public int getId() {
        return id;
    }
    public void setId(int id) {
        this.id = id;
    }
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }
    public float getPrice() {
        return price;
    }
    public void setPrice(float price) {
        this.price = price;
    }

    public String execute(){
        return "success";
    }
}
```

- **struts.xml**

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE struts PUBLIC "-//Apache Software Foundation//DTD Struts
Configuration 2.1//EN" "http://struts.apache.org/dtds/struts-2.1.dtd">
<struts>
<package name="default" extends="struts-default">

<action name="product" class="com.javatpoint.Product">
<result name="success">welcome.jsp</result>
</action>

</package>
</struts>
```

- welcome.jsp

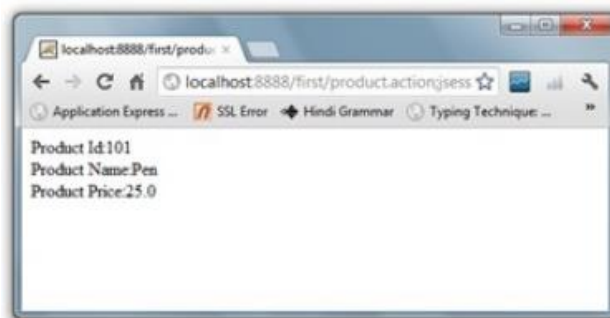
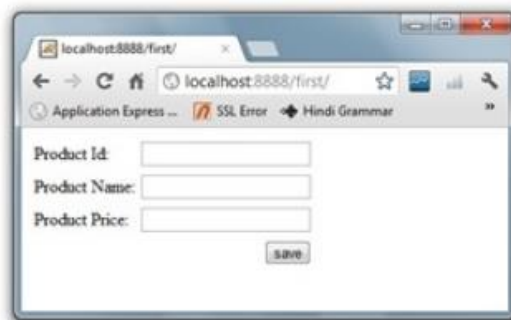
```
<%@ taglib uri="/struts-tags" prefix="s" %>
```

```
Product Id:<s:property value="id"/> <br/>
```

```
Product Name:<s:property value="name"/> <br/>
```

```
Product Price:<s:property value="price"/> <br/>
```

Output :



Result - Demonstrated the application of struts.