Practical No 8:

index.jsp :
```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<%@taglib uri="/struts-tags" prefix="s" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Login</title>
<s:head />
</head>
<body>
<s:form action="Login">
<s:textfield name="userName" label="User Name" placeholder="Default
'Vaibhavi'"/>
<s:password name="password" label="Password" />
<s:textfield name="phoneNumber" label="Phone Number" placeholder="10
digit phone number"/>
<s:textfield name="email" label="Email" type="email" />
<s:submit value="Login" />
</s:form>
</body>
</html>
welcome.jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<%@taglib uri="/struts-tags" prefix="s" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Login Successful</title>
</head>
<body>
<h3> Congratulations! You have logged in successfully.</h3>
<h4> Welcome <s:property value="userName"/>!!! </h4>
</body>
web.xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
```

```xml
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
id="WebApp_ID" version="4.0">
<display-name>struts_validation</display-name>
<welcome-file-list>
<welcome-file>index.jsp</welcome-file>
</welcome-file-list>
<filter>
<filter-name>struts2</filter-name>
<filter-class>org.apache.struts2.dispatcher.filter.StrutsPrepareAndExecuteFilter</filter-class>
</filter>
<filter-mapping>
<filter-name>struts2</filter-name>
<url-pattern>/*</url-pattern>
</filter-mapping>
</web-app>
```

struts.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE struts PUBLIC
"-//Apache Software Foundation//DTD Struts Configuration 2.0//EN"
"http://struts.apache.org/dtds/struts-2.0.dtd">
<struts>
<constant name="struts.custom.i18n.resources" value="LoginAction" />
<package name="default" extends="struts-default" namespace="/">
<action name="Login" class="Login" >
<result name="success">welcome.jsp</result>
<result name="input">index.jsp</result>
</action>
</package>
</struts>
```

Login.java

```java
import com.opensymphony.xwork2.ActionSupport;
public class Login extends ActionSupport {
private String userName;
private String password;
private String phoneNumber;
private String email;
public String execute() {
return SUCCESS;
}
public String getUserName() {
return userName;
}
public void setUserName(String userName) {
this.userName = userName;
```

```java
}
public String getPassword() {
return password;
}
public void setPassword(String password) {
this.password = password;
}
public String getPhoneNumber() {
return phoneNumber;
}
public void setPhoneNumber(String phoneNumber) {
this.phoneNumber = phoneNumber;
}
public String getEmail() {
return email;
}
public void setEmail(String email) {
this.email = email;
}
public void validate() {
if (getUserName().length() == 0) {
addFieldError("userName", "UserName is required");
}
else if (!getUserName().equals("Vaibhavi")) {
addFieldError("userName", "Invalid User");
}
if (getPassword().length() == 0) {
addFieldError("password", getText("Password is required"));
}
if (getPhoneNumber().length() == 0) {
addFieldError("phoneNumber", getText("Phone Number is required"));
}
else if (!(getPhoneNumber().length() == 10)) {
addFieldError("phoneNumber", "Enter 10 digit phone number");
}
else if (!(getPhoneNumber().charAt(0)=='7') &&
!(getPhoneNumber().charAt(0)=='8') && !(getPhoneNumber().charAt(0)=='9') ) {
addFieldError("phoneNumber", "Invalid phone number");
}
if (getEmail().length() == 0) {
addFieldError("email", getText("Email is required"));
}
}
}
```