Experiment# 7JSF

Question 1: Use JSF Standard Components and Facelets Tags.

Standard Components:
Index.xhtml:

```
<html xmlns="http://www.w3.org/1999/xhtml"
xmlns:h="http://xmlns.jcp.org/jsf/html"
xmlns:f="http://xmlns.jcp.org/jsf/core">
<h:head><title>User Registration Form</title>
</h:head>
<h:body>
<h:form id="form">
<table>
<tr>
<td><h:outputLabel for="username">User Name</h:outputLabel></td>
<td><h:inputText id="name-id" value="#{user.name}"/></td>
</tr>
<tr>
<td><h:outputLabel for="email">Your Email</h:outputLabel></td>
<td><h:inputText id="email-id" value="#{user.email}"/></td>
</tr>
<tr>
<td><h:outputLabel for="password">Password</h:outputLabel></td>
<td><h:inputSecret id="password" value="#{user.password}"/></td>
</tr>
<tr>
<td><h:outputLabel for="gender">Gender</h:outputLabel></td>
<td><h:selectOneRadio value="#{user.gender}">
<f:selectItem itemValue="Male" itemLabel="Male" />
<f:selectItem itemValue="Female" itemLabel="Female" />
</h:selectOneRadio></td>
</tr>
<tr><td><h:outputLabel for="address">Address</h:outputLabel></td>
<td><h:inputTextarea value="#{user.address}" cols="50" rows="5"/></td></tr>
</table>
<h:commandButton value="Submit" action="response.xhtml"></h:commandButton>
</h:form>

  <!-- valid user -->

<!--   <h:form>
<h:outputLabel for="username">User Name</h:outputLabel>
<h:inputText id="user-id" value="#{user.name}"/><br/>
<h:outputLabel for="shirtPrice">Shirt Price</h:outputLabel>
<h:inputText id="shirtPrice" value="#{user.email}" autocomplete="off">
```

```
</h:inputText>
<br/>
<h:commandButton action="response2.xhtml" value="Submit"/>
</h:form>
  -->
</h:body>
</html>
```
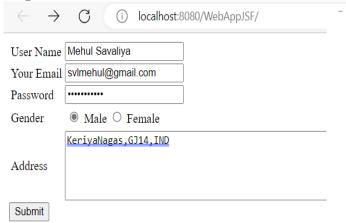
User.java:

```java
import javax.faces.bean.ManagedBean;    import
javax.faces.bean.RequestScoped;
@ManagedBean
@RequestScoped public
class User{ String
name;
String email;
String password;
String gender;    String
address;    public String
getName() {    return
name;    }
public void setName(String name) {    this.name
= name;
}
public String getEmail() {    return
email;
}
public void setEmail(String email) {    this.email
= email;
}
public String getPassword() {    return
password;
}
public void setPassword(String password) {    this.password
= password;
}
public String getGender() {
return gender;    }
public void setGender(String gender) {    this.gender
= gender;
}
public String getAddress() {    return
address;    }    public void
setAddress(String address) {
this.address = address;
}
}
```

response.xhtml:

```xml
<html xmlns="http://www.w3.org/1999/xhtml"
xmlns:h="http://xmlns.jcp.org/jsf/html"
xmlns:f="http://xmlns.jcp.org/jsf/core">
<h:head>
<title>User Details</title>
</h:head>
<h:body>
<h2><h:outputText value="Hello #{user.name}"/></h2>
<h4><h:outputText value="Ur Details"/></h4>
<table>
<tr>
<td><b>Email: </b></td>
<td><h:outputText value="#{user.email}"/><br/></td>
</tr>
<tr>
<td><b>Password:</b></td>
<td><h:outputText value="#{user.password}"/><br/></td>
</tr>
<tr>
<td><b>Gender:</b></td>
<td><h:outputText value="#{user.gender}"/><br/></td>
</tr>
<tr>
<td><b>Address: </b></td>
<td><h:outputText value="#{user.address}"/></td>
</tr>
</table>
</h:body>
</html>
```

Output :

Question 2: Implement JSF Converter Tag and Validation Tags

index.xhtml:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml"
    xmlns:h="http://java.sun.com/jsf/html"
    xmlns:f="http://java.sun.com/jsf/core">

<h:head>
   <title>Validation Example</title>
</h:head>
<h:body>

<h1>Validation Example and Converter Tag</h1>

<h:form>

Enter Name:
<h:inputText id="name" value="#{user.name}" validatorMessage="Enter Valid more than 5 and  less than 8
character">
   <f:validateLength minimum="5" maximum="8"/>
</h:inputText>
<br> </br>

Enter Salary:
<h:inputText id="mob_no" required="true" value="#{user.salary}"
        maxlength="20" validatorMessage="Please enter valid salary">
   <f:validateLength minimum="2" maximum="10"/>
</h:inputText>
<br></br>

<h:commandButton value="submit" action="response2.xhtml" />

</h:form>

</h:body>
</html>
```

user.java

```
import javax.faces.bean.ManagedBean;
import javax.faces.bean.RequestScoped;
import javax.faces.bean.SessionScoped;
import javax.validation.constraints.NotNull;
```

```java
import javax.validation.constraints.Min;
import javax.validation.constraints.Size;
@ManagedBean
@RequestScoped
public class user{
@NotNull(message = "Name can't be empty")
String name;
String salary;
@Min(18)
int age;

    public String getSalary() {
        return salary;
    }

    public void setSalary(String salary) {
        this.salary = salary;
    }

@NotNull(message = "Mobile can't be empty")
@Size(min = 10, max = 10, message = "Mobile must have 10 digits")
String mobile;

public String getName() {
return name;
}
public void setName(String name) {
this.name = name;
}
public int getAge() {
return age;
}
public void setAge(int age) {
this.age = age; }
public String getMobile() {
return mobile; }
public void setMobile(String mobile) {
this.mobile = mobile;
}
}
```

response2.xhtml

```html
<html xmlns="http://www.w3.org/1999/xhtml"
xmlns:h="http://xmlns.jcp.org/jsf/html"
xmlns:f="http://xmlns.jcp.org/jsf/core">
<h:head>
<title>User Details</title>
</h:head>
```

```
<h:body>
<h1> Hello,
<h:outputText value="#{user.name}"/>
</h1>

<h:outputLabel value="Your Salary is : "></h:outputLabel>
<h:outputText value="₹#{user.salary}">
<f:convertNumber currencySymbol = "₹" type = "currency"/>
</h:outputText>
</h:body>
</html>
```

Output :

Validation Example and Converter Tag

Enter Name: [_____]

Enter Salary: [_____]
[submit]

Validation Example and Converter Tag

Enter Name: [1_____]

Enter Salary: [1_____]
[submit]

- Enter Valid more than 5 and less than 8 character
- Please enter valid salary

Validation Example and Converter Tag

Enter Name: [Mehul085_____]

Enter Salary: [10103085_____]
[submit]

Hello, Mehul085

Your Salary is : ₹10103085