Course: Web Application Development
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Web Resources: http://125.234.238.107/web/web-application-development

Lab 2: Advance HTML and CSS (Cascading Style Sheet)

Contents:
- o **Objects:**
- o **Form**
- o **CSS**

Duration: 3 hours

Part 1: Objects

In the HTML file, open source code and use the following objects below to create a webpage

- **Textbox**
  <input type="text" name ="T1" size="33">

- **Check-box**
  <input type="checkbox" name="c1" value="ON">Computer Graphic
  <input type="checkbox" name="c2" value="ON">Computer Network
  <input type="checkbox" name="c3" value="ON">Introduction to Computer
  <input type="checkbox" name="c4" value="ON">Web Programming

- **Radio**
  <input type="radio" value="r1" checked name="red">Red
  <input type="radio" value="r2" checked name="blue">Blue
  <input type="radio" value="r3" checked name="green">Green

- **Button**
  <input type="submit" value="Submit" name="s1">
  <input type="reset" value="Reset" name="s2">

- **Combo-box**
  <select name="Type">
    <option>Reading</option>
    <option>Whatching TV</option>
    <option>Studying</option>
    <option>Shoping</option>
    <option>Internet</option>
  </select>

- **Text-area**
  <textarea rows="number of rows" name="tr1" cols="number of columns"></textarea>
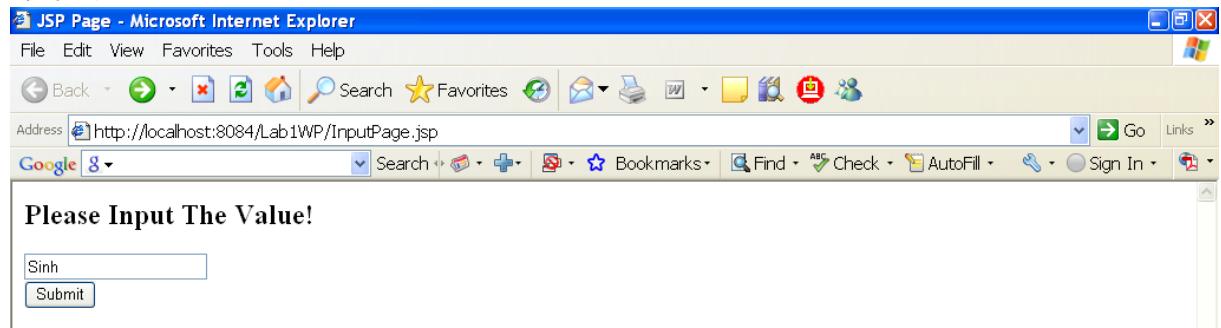
Part 2: design Form

A form is any section of a web page where a user can input information (though sometimes form elements are used to display information rather than collect it)
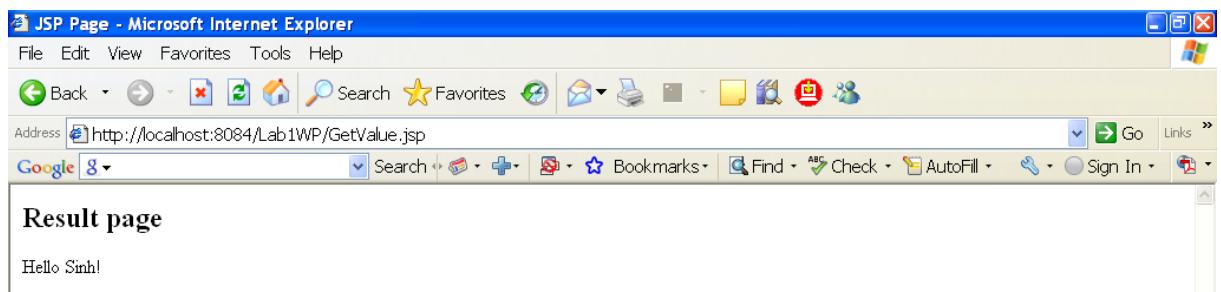
Example: This is source code of file InputPage.jsp

```html
<html>
   <head>
      <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
      <title>JSP Page</title>
   </head>
   <body>
      <h2>Please Input The Value!</h2>
      <form method="post" action="GetValue.jsp">
         <input type="text" name = "tx1"><br>
         <input type="Submit" value= "Submit">
      </form>
   </body>
</html>
```


This is the source code of file GetValue.jsp

```html
<html>
   <head>
      <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
      <title>JSP Page</title>
   </head>
   <body>
      <h2>Result page</h2>
      <%
         String value = request.getParameter("tx1");
         out.print("Hello "+value+"!");
      %>
   </body>
</html>
```

Exercise: You create a form like this:
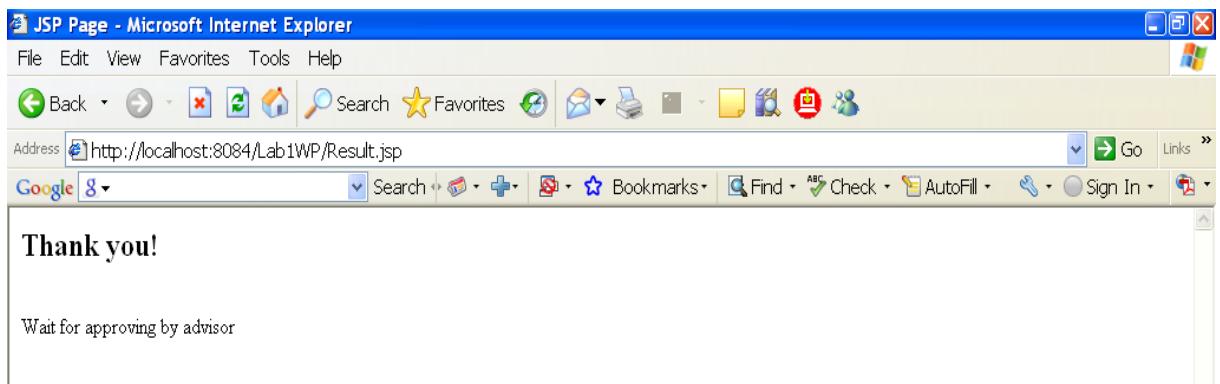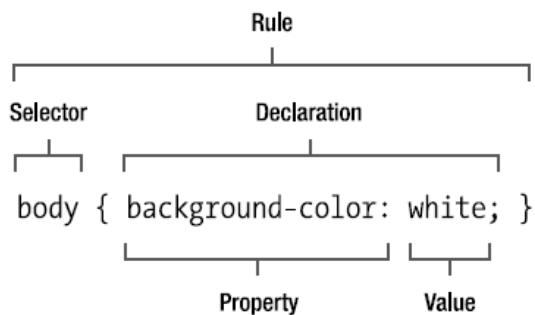
After input information and click "Submit" button, the result like this:

Part 3: CSS
CSS can add style to your pages, enhancing and improving the presentation of your content.

Rule

Selector   Declaration

body { background-color: white; }

Property   Value

There are 3 types of CSS:
- External Style Sheet: It is declared and stored in the separate file, then can add and use in all the web pages of the website.
- Internal Style Sheet: It is declared on the header of web page and use for only this page.
- In - line Style Sheet: It is declared in the tag of HTML and use for this line.

Example of External Style Sheet:
```
<html>
  <head>
    <title>Spaghetti and Cruft : Our Menu</title>
      <link rel="stylesheet" type="text/css" href="styles.css" />
  </head>
  <body>
        <h2>Testing External Style Sheet</h2>
        <p>This is the content of page </p>
  </body>
</html>
```

This is the content of styles.css
```
h2 {font-size: 130%; color:red};
p   {font-size: 120%; color:blue};
```

Example of Internal Style Sheet:

```
<html>
   <head>
       <STYLE TYPE = "text/css">
               H1.titlepage {text-align: center;color: red }

        </STYLE>
   </head>
   <body>
     <H1 class=titlepage>Introduction!</H1>
     <h2>Hello World!</h2>
     <h3>This is lab section of Web Application Development</h3>
   </body>
</html>
```

Example of In-Line Style Sheet:

P STYLE = "background:blue;color:red">