**Web Programming**

**Btech SEM:V (20-21)**

**Program 2**

**PART-A**

**A.1 Aim:**

Create a static web pages using HTML

1. Use attributes link, alink and vlink for text hyperlinks created in program 1
2. Also use target attribute for the link (use values: self, blank)
3. Create link to section within same page
4. Make image as a hyperlink in program 1
5. In the table created in program 1, use attributes colspan, rowspan, cellspacing, cellpadding and caption tag
6. Use attribute type for lists in program 1 to change the type of sequence numbering
7. Registration page (Use form tag)
8. One web page with frames implemented

**A.2 Prerequisite:**

There are no prerequisites as such to learn and implement HTML.

**A.3 Outcome:**

After successful completion of this experiment students will be able to

1. Understand the basic Technique in building a static web application using HTML

2. Implement basic tags of HTML with attributes

3. Understand usage of basic editor like Sublime Text 2 or 3

**A.4 Theory:**

* link,alink,vlink: are attributes to give colours to link,active link, visited link

EX: <a href = "reg.html" alink=”red” vlink=”green” link=”black” >registration</a>

* target attribute is used to specify the location where linked document is opened

\_blank : Opens the linked document in a new window or tab.

\_self: Opens the linked document in the same frame.

* Linking to a Page Section

First create a link to the place where you want to reach with-in a webpage and name it using <a...> tag as follows −

<p>This is first section <a **name** = "top"></a><p>

Second step is to create a hyperlink to link the document and place where you want to reach −

<a href = "#top">Go to the Top</a>

* **Form tag:**

The following code creates a form with first name field

<html>

<head>

<title>Text Input Control</title>

</head>

<body>

<form>

First name: <input type = "text" name = "first\_name" />

</form>

</body>

</html>

Form action and method attributes need not be used.

1. Create one text field for username (input type=”text”)
2. Create one password field (input type = "password")
3. Create one email field (input type = "email")
4. Create three checkboxes and by default the first one needs to be checked

<input type = "checkbox" name = "OOPS" value = "Subject"> OOPS

<input type = "checkbox" name = "C" value = "Subject"> C

1. Create two radio buttons
2. Create a dropdown list with 5 items and by default the first item needs to be chosen

<select name = "dropdown">

<option value = "OOPS" >OOPS</option>

<option value = "C">C</option>

</select>

1. Create a text area (<textarea rows = "5" cols = "50" name = "About Yourself">)
2. Create one submit and one reset button

<input type = "submit" name = "submit" value = "Submit" />

<input type = "reset" name = "reset" value = "Reset" />

1. Make image as button

**Frames**

Look at the following code:

<frameset rows = "60%,40%">

<frame name = "top" src = "home.html" />

<frame name = "bottom" src = “registration.html" />

<noframes>

<body>Your browser does not support frames.</body>

</noframes>

</frameset>

* Use frameset tage instead of body tag.
* The above code divides browser window into two rows.
* In each row we can see the corresponding html page
* The same is to be done with columns too( use cols=” ”)
* noframes will be interpreted by the browser if browser does not support frames

**Note: It is left to discretion of students to decide the topic to make static webpages on. Also students are given freedom to learn more tags and implement it much better to improve UI of the web page**

**PART B**

**(PART B: TO BE COMPLETED BY STUDENTS)**

**(Students must submit the soft copy as per following segments within two hours of the**

**practical. The soft copy must be uploaded on the Blackboard or emailed to the concerned**

**lab in charge faculties at the end of the practical in case the there is no Black board access**

**available)**

**B.1 Software Code written by student:**

**(Students must paste the code here)**

**B.2 Input and Output**

**(Students must paste input and output here)**

**B.3. Observations and Learning**

**(Students are expected to comment on the output obtained with clear observations and learning for each task/ sub part assigned**

**B.4. Conclusion**

**(Students must write the conclusion as per the attainment of individual outcome listed above and learning/observation noted in Sec. B.3)**