**LS.8 – Advanced features of HTML**

**CLASS: VII SUB: COMPUTER SCIENCE**

***I. NEW WORDS:***

1. attribute 2. unordered 3. bulleted 4. radio 5. float

6. checkbox 7. anchor 8. pixel 9. align 10. property

***II. IMPORTANT POINTS:***

1. Different types of lists we can create in an HTML document are:

* Unordered list <ul>
* Ordered list <ol>

2**.** Differences between ordered list and unordered list:

|  |  |
| --- | --- |
| **Ol (Ordered List)** | **Ul (Unordered List)** |
| 1. Ordered list is a numbered list | 1. Unordered list is a bulleted list |
| 2. It is used when the items have a specific order. | 2. It is used when the items do not have a specific order. |
| 3. The list is enclosed with in <ol> and</ol> | 3. The list is enclosed with in <ul> and</ul> |

**HTML Programming:**

a. Write HTML code for “3 Varieties of fruits” using an unordered list.

<html>

<head>

<Title> Fruits </title>

</head>

<body>

<ul type=circle>

<li> Mango </li>

<li> Kiwi </li>

<li> Banana </li>

</ul>

</body>

</html>

b. Write HTML code for “3 Names of subjects” using an ordered list.

<html>

<head>

<title >Ordered List</title>

</head>

<body>

<ol type="1">

<li>English</li>

<li>Math</li>

<li>Science</li>

</ol>

</body>

</html>

c. **Assignment:**

1. Write HTML code for “3 states of India” using an unordered list.

2. Write HTML code for “3 Student Names of your class” using an ordered list.

3. **INSERTING IMAGES:**

HTML allows to insert two different image formats such as GIF (Graphics Interchange Format) and JPEG (Joint Photographic Expert Group). Inserting images will enhance the look of the webpage. Different attributes of <img> tag.

|  |  |
| --- | --- |
| **Attribute** | **Use** |
| **src** | It specifies the URL of the image to be displayed in the document. |
| **Height and Width** | It specifies the height and width of the image in pixels. |
| **Float Property** | It specifies the alignment of the image either to the right or left of the text. |
| **Alt** | It specifies an alternative text that the browser displays, if the image is loading or cannot display. |

**HTML Programming:**

a. Write HTML code for inserting an image in a Web Page.

<html>

<head>

<Title> Inserting Images </title>

</head>

<body>

<img src=flower.jpg>

</body>

</html>

**4. Hyperlink:** A website is a collection of webpages. These pages are linked to each other through hyperlinks.

The two different types of Linking are:

* Internal Linking
* External Linking

**5. Anchor tag and its attribute:** It is used to create a hyperlink in a webpage. It is a container tag.<a>**…**….</a>. Href is an attribute of anchor tag thatspecifies the page or file in where the link takes.  
 Ex: <a href=”<https://www.jgschool.org>”>My school</a>

**6. Tables in HTML:** The **HTML tables**allow us to arrange data in rows and columns and provides an   
 attractive way to represent the data. The tags that are used to create a table are:

|  |  |  |
| --- | --- | --- |
| **Tag** | **Usage** | **Syntax** |
| Table tag | used to define table in html. | <table>……..</table> |
| Table row tag | used to define a horizontal row of cells. | <tr>…….</tr> |
| Table data tag | specifies an individual block or cell in a table row. | <td>…..</td> |
| Header cell | used to define the header for a column or row. | <th>……</th> |

**HTML Programming:**

a. Write an HTML document to demonstrate the student details of the class.

<html>

<head>

<title> creating a table </title>

<style >

body{background-color:yellow}

table,th,td{border:1px solid blue}

</style>

<table>

<tr>

<th> S.No </th>

<th> Name </th>

<th> C/S </th>

</tr>

<tr>

<td> 1 </td>

<td> Smith </td>

<td> 7A </td>

</tr>

<tr>

<td> 2 </td>

<td> Kanika </td>

<td> 7B </td>

</tr>

</table>

</body>

</html>

b. **Assignment:** Write html code to display the following output:

|  |  |  |
| --- | --- | --- |
| **S.No** | **Name** | **Percentage** |
| **1** | **Rajiv** | **76** |
| **2** | **Sita** | **56** |

7. **Forms:** It is used to collect the information from the user in a systematic way. The <form> tag is used create   
 an HTML form. It is a container element. <form> form elements </form>. The forms are classified into   
 three sections:

* Form Header
* Input Fields
* Action buttons

8. **Form Controls:** A form that contains special elements like text field, checkbox, radio buttons etc.

9. G.O on the two elements to create a form:

**HTML Programming:**

a. Write an HTML document to demonstrate the Same Application form:

<html>

<head>

<title> Application Form </title>

<body bgcolor=Cyan> <b> Application Form</b>

<form action="mailto:info@kips.in" method=post>

<p>

<lable for=first name> FIRST NAME : </label>

<input id=firstname type=text> <br> <br>

<lable for=Last name> LAST NAME : </label>

<input id=lastname type=text> <br><br>

<input type=checkbox name="c1" value=Graduate checked> GRADUATE <br> <br>

<input type=checkbox name=c2 value=post Graduate checked> POST GRADUATE <br> <br>

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

<input type="reset" value="RESET">

</form>

</body>

</html>

b. **Assignment:** Write an HTML Document to create Form with fields User name, Password and Gender.

**III. Fact File**: The Languages HTML (Hyper Text Markup Language) and XML ( Extendable Markup Language)   
 are both derived from DHTML (Dynamic Hyper Text Markup Language)

**IV. Home Assignment:** Draw a G.O to show different properties of the <table> tag.

**FA – I**

**FA – II (6m)**

1. List out the two types of lists that are created in a webpage with their tags. [2m]

2. Name the tag that is used to insert an image in a webpage. [1m]

3. List out the two types of linking in HTML. [1m]

4. Explain any two tags that are used to create table in HTML. [2m]

1. ordered

2. numbered

3. attribute

4. anchor

5. collapse

6. width

7. radio

8. password

9. radio

10. checkbox