Module 3) HTML

1. Are the HTML tags and elements the same thing ?

Ans:-html tags are building blocks of html page.html elements are components that are used in html page.

Html tags are the specific keyword or phrases used to create and define html elements.each tag is enclosed in angle brackets,like<tagname>.the opening tag indicates the start of an elemnt and the close tag.

<p> is the opening tag for a paragraph element and </p> is the closing tag for that element.html elements refer to the overall structure and conetent of a web page.

Html elements include heading text paragraphs,lists,image and links.

1. What are tags and attributes in HTML ?

Ans:-HTML tags are the starting and ending parts of an html element.html attributes these are additional information about elements. Attributes usually come in name/value paris like:name=value

1. What are void elements in HTML ?With Example

Ans:- A void element is an element in html that cannot have any child nodes. Void elements only have a start tag;end tags must not be specified for void elements.

<inuput type=”text”></input>is invalid html

1. What are HTML Entities? With Example

Ans:-html entity is a piece of text(“string”)that begins with an ampersand(&) and with a semicolon(;)html entities are frequently used to display reserved characters and invisible characters.

<html>

<head>

<title>Entity</title>

</html>

</title>

</head>

<body>

<h1>html Entity example</h1>

<h2>the copyright sign:&copy;</h2>

</body>

</html>

1. What are different types of lists in HTML? With Example.

Ans:- Unordered list or bulleted list(ul)

Ordered list or numbered list(ol)

Description list or Definition list

* Ordered list example.

<html>

<body>

<h3>Ordered list</h3>

<ol>

<li>Milk</li>

<li>Tea</li>

<li>Coffee</li>

</ol>

</body>

</html>

* Unordered list (ul)

<html>

<body>

<h3> Unordered list</h3>

<ul>

<li>Milk</li>

<li>Tea</li>

<li>Coffee</li>

</ul>

</body>

</html>

1. What is the ‘class’ attribute in HTML ?With Example.

Ans:-class attribute a one or more class names for a element. Multiple html elements can share the same class

<html>

<head>

<title>A class attribute</title>

<style>

h3.intro {

color: green;

}

</style>

</head>

<body>

<h3 class="intro">A class attribute</h3>

<p>A paragraph.</p>

</body>

</html>

1. What is the difference between the ‘id’ attribute and the ‘class’ attribute of HTML elements? With Example.

Ans:- Class name can be used by multiple HTML elements.ID name only used by one HTML element within page.

* ID example

<html>

<head>

<title>id example</title>

<style>

#myHeader {

background-color: aqua;

text-align: center;

}

</style>

</head>

<body>

<h3>the id attribute</h3>

<p>use to style element with the id myHeader</p>

<h1 id="myHeader">myHeader</h1>

</body>

</html>

* Class Example.

<html>

<head>

<title>Class example</title>

<style>

.city {

background-color: aqua;

text-align: center;

}

</style>

</head>

<body>

<div class="city">

<h3>Rajkot</h3>

</div>

<div class="city">

<h3>Morbi</h3>

</div>

<div class="city">

<h3>Wankaner</h3>

</div>

</body>

</html>

1. What are the various formatting tags in HTML ?

Ans:- various as we know provides many predefined elements that are used ti change the formatting of text.(like bold, italic ,etc),highlight the text,make text superscript and subscript,etc.

<i> iltalic

<em>Emphasized

<del>Deleted

<sub>Subscript

<sup>Superscript

<b>Bold text

9)How is cell padding different from cell spacing? with example.

|  |  |
| --- | --- |
| Cellpadding | Cellspacing |
| It specifies the space between the border of a table cell and its contents. | It specifies the space between adjacent cells |
| It is mainly meant for a single cell | Cellspacing can get subjected to more than one cell |
| The default cellpadding value is 1 | Whereas,the default cellspacing value is 2 |
| Cellpadding is an attribute | Cellspacing is also an attrib-  ute |

* Example

<html>

<head>

<title>Table </title>

</head>

<body>

<table border="1" cellpadding="4" cellspacing="5">

<thead>

<td>Name</td>

<td>Age</td>

</thead>

<tbody>

<tr>

<td>Rani</td>

<td>30</td>

</tr>

<tr>

<td>John</td>

<td>32</td>

</tr>

<tr>

<td>Tom</td>

<td>28</td>

</tr>

<tr>

<td>jay</td>

<td>29</td>

</tr>

</tbody>

</table>

</body>

</html>

10)How can we club two or more rows or columns into a single row or column in an HTML table? With Example.

Ans:-using the rowspan and colspan attribute in html.the rowspan is used to merge or combine the number of cells is a row whereas the colspan is used to merge column in a table.

* Example of row span

<html>

<head>

<title>Document</title>

<style>

table {

border-color: brown;

width: 20%;

text-align: center;

}

</style>

</head>

<body>

<table border="1">

<thead>

<caption>Rowspan</caption>

<tr>

<th rowspan="2">Rowspan</th>

<th>jay</th>

<th>hardik</th>

<th>suhani</th>

</tr>

<tr>

<td>John</td>

<td>Roy</td>

<td>Tom</td>

</tr>

</thead>

</table>

</body>

</html>

* Example colspan

<html>

<head>

<title>colspan</title>

<style>

table {

border-color: brown;

width: 20%;

text-align: center;

}

</style>

</style>

</head>

<body>

<table class="table" border="1">

<caption>colspan</caption>

<tr>

<th colspan="2">Lauson Hen</th>

<th>Peel</th>

<th>Motika</th>

</tr>

<td>Liu</td>

<td>Axelrod</td>

<td>Hoffman</td>

<td>Alex</td>

</table>

</body>

</html>

11)What is the difference between a block-level element and an inline element

Ans:-

|  |  |  |
| --- | --- | --- |
| Block Level Element | | Inline Level Element |
| Block level element is always start from new line | | Inline elements never start from a new line |
| Its width extends beyond the inner content | | Its width only extends as far as the inner content |
| You can set the width and height values | | You can’t set width and height values. |
| Can container text,data,inline elements,or other block level element | Can contain text,data,or other inline elements. | |

12)How to create a hyperlink in HTML ? With Example.

Ans:-Hyperlinks are one of the most exciting innovations the web has to offer. The <a> tag defines a hyperlink,which is used to link from one page to another

The most important attribute of the <a>element is the href attribute,which indicates the link’s destination.

Create a hyperlink in html page we have to utilize the anchor tag<a> which are used to characterize the connections.

Add the URL for the connection in the <a href=” ”>

* Example

<html>

<head>

<title>Hyperlink</title>

</head>

<body>

<a href="https://www.w3schools.com/">Click To The Link</a>

</body>

</html>

13)What is the use of an iframe tag ? With Example

Ans:- iframe used the most common use to a load content another site within the page.

* Example.

<html>

<head>

<title>iframe</title>

</head>

<body>

<h3>iframe element</h3>

<iframe src="https://www.w3schools.com"></iframe>

</body>

</html>

14)What is the use of a span tag? Explain with example

Ans:- Span tag use of generic inline container element.use to styling for text and color text without creating a new line of content.

* Example.

<html>

<head>

<title>span tag</title>

</head>

<body>

<span style="color:aqua">The</span>span element</span>

</body>

</html>

15)How to insert a picture into a background image of a web page? With Example.

Ans:-The most common&simple way to add background image is using the background image attribute inside the<body> tag.

* Background Image Example

<html>

<head>

<title>Document</title>

<style>

body {

background-image: url("C:\Users\ADMIN\Pictures/pexels-pixabay-248526.jpg");

background-color: aqua;

}

</style>

</head>

<body>

<h3>Lorem ipsum dolor sit amet consectetur adipisicing elit. Delectus, voluptates</h3>

</body>

</html>

16)How are active links different from normal links?

Ans:-Normal link shows the (unvisited link) if you want to create a link to go to

<https://www.w3schools.com> the default color is blue color and underline but you can apply your own custom styling according to the application need.

Active link you left or right-click any one of the links visited or unvisited it will run into red line.active link custom styling using CSS: active selector in the above output,notice the active link on right-click of the link.

17)What are the different tags to separate sections of text?

Ans:- <br> tag used to the separate to a break to the new line .

<p> tag used to write a paragraph of text.

<quote>tag is used to the define quote sections.

18)What is SVG?

Ans:-SVG stands for scalable vector Graphics svg is used to define graphics for the web.

19)What is difference between HTML and XHTML?

Ans:-

|  |  |
| --- | --- |
| HTML | XHTML |
| Hypertext Markup Language | Extensible Hypertext Markup Language |
| In 1987 Tim Berners-lee proposed | In 2000 the world wide web consortium recommended it |
| .htm , .html | .htm,.xht,.xml,.xhtml |
| Tags are not case-sensitive | Only lowercase tags are allowed |

20)What are logical and physical tags in HTML

Ans:-Logical tag are used in html to display the text according to the logical styles.

<q> Defines short quotation

<code>Defines computer code text

physical tags are used in html to provide actual physical formatting to the text.

<b> Defines bold text.

<big>Defines big text

<i>Defines italic text