

Assignment -2

I what is the use of the `<a>` tag? How would you navigate between multiple Pages?

- The `<a>` tag in HTML is used to create a hyperlink on the webpage. This hyperlink is used to link the web pages to other web pages or some section of the same web page. It's either used to provide an absolute reference ~~or~~ or a relative reference as its "href" value.

Navigate between multiple Pages:-

Step 1:-

Open a code editor like visual studio code sublime text or Notepad. If you don't have any of the text editors, open a notepad.

~~This can be done in HTML alternatives like ~~HTML~~.~~

Save this notepad file in your preferred folder location and save it as index.html.

Now we will change the title and create a header for this web pages.

Step 2:-

Similar to how we created the home pages, we will create two more web pages. The Contact Page and the about page.

Step 3:-

It's now time to link the multiple pages that we have created on our website. We will create a navigation menu that will link all of the pages together.

We will first change in our code add nav element and we will copy this nav element to the other pages.

Step 4:- Running our multi Page website.

Now go back to your folder where you have saved all your files.

Right click on the index.html file and open this file with the preferred browser.

2 Explain the use of the HTML table element for designing the web page layout with appropriate examples.

- HTML table tag is used to display data in tabular form. There can be many columns in rows.

We can create a table to display data in tabular form, using `<table>` element, with the help of `<tr>`, `<td>` and `<th>` elements.

In each table, table row is defined by `<tr>` tag. Table header is defined by `<th>` and table data is defined by `<td>` tags.

Tag	Description
<code><table></code>	It defines a table
<code><tr></code>	It defines a row in table
<code><th></code>	It defines a header cell in table
<code><td></code>	It defines cell in table
<code><caption></code>	It defines the table caption
<code><colgroup></code>	It specifies a group of one or more columns in a table for formating
<code><tbody></code>	It is used to group the body content in table.

`<thead>` It is used to group the header content in table.

`<tbody>` It is used to group footer content in table.

HTML Table example:-

`<HTML>`

`<table>`

`<tr>`

`<th> First Name </th>`

`<th> Last Name </th>`

`<th> Marks </th>`

`</tr>`

`<tr>`

`<td> Yankit </td>`

`<td> Vasava </td>`

`<td> 75 </td>`

`</tr>`

`<tr>`

`<td> Nikunj </td>`

`<td> Patel </td>`

`<td> 80 </td>`

`</tr>`

<tr>

<td> Aayush </td>

<td> Majuri </td>

<td> 67 </td>

</tr>

</table>

</HTML>

Output :-

First Name	Last Name	Marks
Yankit	Vasavada	75
Nikunj	Patel	80
Aayash	Majuri	67

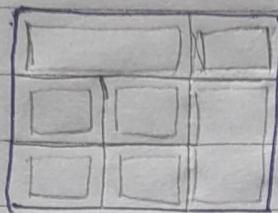
3 Create web Pages to explain the use of column span and row span.

- The rowspan and colspan are <td> tag attribute. These are used to specify the number of rows or columns a cell should span. The rowspan attribute is for rows as well as the colspan attribute is for columns.

Example :-

```
<html>
  <head>
    <style>
      table, th, td {
        border: 1px solid black;
      }
    </style>
  </head>
  <body>
    <table>
      <thead>
        <tr>
          <th colspan="2"></th>
          <th></th>
        </tr>
      </thead>
      <tr>
        <td></td>
        <td></td>
        <td rowspan="2" colspan="2" rowspan="2" style="background-color: #cccccc;"></td>
      </tr>
      <tr>
        <td></td>
        <td></td>
        <td></td>
        <td></td>
      </tr>
    </table>
  </body>
</html>
```

Output:-



- ↳ How many types of list are supported by HTML? Explain each one in brief.
- There are three list types in HTML

1. unordered list

2. ordered list

3. Description list

1. unordered list:-

↳ unordered list are used when a set of item can be placed in any order
Example:-

• milk

• bread

• butter

• coffee beans

Although the item are all part of one list, you could put the item in any order and the list would still make sense!

• bread

• coffee beans

• milk

• butter

unordered list markup :-

use one set of `` tag wrapped around one or more set of `` tags

``

` bread `

` coffee beans `

` milk `

` butter `

``

2. Ordered list :-

Ordered lists are used to display a list of items that should be in a specific order.

Example of cooking instruction :-

1. Gather ingredients

2. Mix ingredients together

3. Place ingredients in baking dish

4. Bake in oven for an hour

5. Remove from oven

6. Allow to stand for ten minutes

7. Serve

If list items were moved around into different order. The information would no longer make sense.

Ordered list Markup:-

use one set of `` tags wrapped around one or more set of `` tags

``

` Gather ingredients `

` Mix ingredients together `

` Place ingredients in baking dish `

` Bake in oven for an hour `

` Remove from oven `

` Allow to stand for ten minutes `

` Serve `

``

3. Description lists Markup:-

use one set of `<dl></dl>` tags wrapped around one or more group of `<dt></dt>` and `<dd></dd>` tags.

`<dl>`

`<dt> Name </dt>`

`<dd> Value </dd>`

`<dt> Name </dt>`

`<dd> Value </dd>`

`<dt> Name </dt>`

<dd> value </dd>
</dl>

5 Create a form with all the attributes.

Consider the following HTML code :-

Father Name : <input type = "text" name =
Fname size = "20">

Identify the internal name and explain
its relevance.

→ <HTML>

<body>

<p> Student name : <input type = "text"
name = Sname size = "20" > </p>

<p> Father name : <input type = "text"
name = Fname size = "20" > </p>

<p> Address : <textarea name = "address"
id = "address" > </textarea> </p>

</body>

</HTML>

The Fname attribute is used to
reference elements in javascript or to
reference form data after a form is
submitted.

6 what is frameset? Explain the use of frameset in website design with proper example.

A collection of frames in the browser window is known as a frameset.

HTML frames are used to divide your browser window into multiple section where each section can load complete separate HTML document.

Ex:-

```
<html>
  <head>
    <title> HTML Frames </title>
  </head>
  <frameset cols = "40%, * " >
    <frame src = "F1.html" >
    <frame src = "F2.html" >
  </frameset>
</html>
```

f1.html

```
<html>
  <body>
    <p> This is main Page</p>
  </body>
</html>
```

f2.html

```
<html>
  <body>
    <p> Content from any link will be displayed here</p>
  </body>
</html>
```

This is main page.

Content from any link will be displayed here.

7 what is meta tag? How it is useful by search engine?

- The meta tag is an element that provides information about the metadata of an HTML document. This information could be the keyword, author, page description or any detail about the specific page.

Meta tag are void elements, which means that they only have a start tag. What this means is that their contents are stored in the attribute within the tag. meta tag start with metatag and have at least name and content attributes.

In the context of optimizing the search result also graph protocol meta tag are useful. Open graph meta tag require replace the name attribute with the property attribute.

The meta tag into three categories that allow you to

- Decide what to index
- choose what to in the search result.
- use metadata for filtering the result search.

Search engines, such as google and Bing, commonly utilize the two first meta tag categories. The last category, however focused on the meta tags that Add search provides for optimizing the search results filtering.

8 write code to create the following HTML form to accept user's information as part of magazine survey

User Survey

Name :

Address :

Male Female

You came to know about our magazine from :-

Friends News Paper TV / Radio Others

→ Code :-

<html>

<body>

<h1> <center> User Survey </center> </h1>

<p> Name : <input type="text" name="name" />

<P> Address: <textarea name="address" id="address" cols="100" rows="8"></textarea></P>

<label> class = "radio-inline">
Male <input type="radio">
</label>

<label> class = "radio-inline">
Female <input type="radio">
</label>

<P> You come to know about magize form.

<label class="container-inline">
<input type="checkbox"> Friend
</label>

<label class="container-inline">
<input type="checkbox"> Newspaper
</label>

<label class="container-inline">
<input type="checkbox"> TV/Radio
</label>

```
<label class="container-inline">
  <input type="checkbox"> others
</label>
</p>

</body>
</html>
```

9 which of the following is correct ?

- <input type="radio" name="animal" value="zebra"> zebra
- <input type="radio" name="animal" value="lion"> lion
- <input type="radio" name="animal" value="Tiger"> Tiger

10 In order to clear the value in form, the developer specifies an <input> tag as:

- reset