

Basic HTML Concepts:

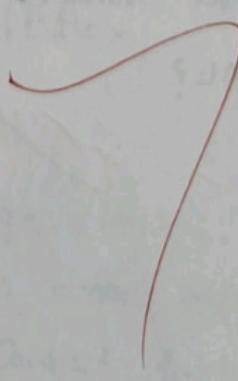
Scenario - 1:-

You are tasked with creating a simple personal webpage that includes your name, a brief bio, and a link to your favorite website.

Question:- How would you structure this HTML page? include elements for a heading, a paragraph for the bio and a hyperlink to your favorite website.

HTML Structure:

```
<!DOCTYPE html>
<html>
  <head>
    <title> personal kleppage </title>
  </head>
  <body>
    <h1> Name : </h1>
    <p> G. Hashini </p><br>
    <h1> Bio: </h1>
    <p> This id Hashini, studying CSE 3rd year in Saveetha  
Engineering College </p><br>
    <p> Visit my favorite website:</p>
    <a href = "https://www.facebook.com" target = "_main"> Link </a>
  </body>
</html>
```



<body>

<h1> Additional information </h1>

<p>"This is right sidebar to display Additional Info"</p>

</body>

</html>

- section 1

- sections

welcome

This is Content page

Additional

Information.

This is right

side bar to

display

addition

information.

No
Oh?

Scenario 2:-

you need to create a webpage with an image that acts as a clickable link to another website.

Question:- How would you code this HTML? Describe the tags and attributes you would use.

HTML structure:-

```
<!DOCTYPE html>
<html>
<head>
    <title> Clickable Image Link </title>
</head>
<body>
    <a href = "https://www.google.com" target = "-blank">
        <img src = "image.jpg" alt = "Image" width = "400" />
    </a>
</body>
</html>
```

Scenario 3:-

you have been asked to create a navigation bar at the top of your webpage with links to "Home", "About", and "Contact" pages.

Question:- How would you structure this using an unordered list in HTML?

HTML structure:-

```
<!DOCTYPE html>
<html>
```

Content.html

```
<!DOCTYPE html>
<html>
<head>
    <title> Content </title>
</head>
<body>
    <h1> welcome to Content Area </h1>
    <p> it is size of content area in case of page </p>
</body>
</html>
```

Nav.html :

```
<!DOCTYPE html>
<html>
<head>
    <title> Navigation </title>
</head>
<body>
    <h1> Navigation Menu </h1>
    <ul>
        <li><a href = "sec1.html" target = "Centerframe">
            Section1 </a></li>
        <li><a href = "sec2.html" target = "Centerframe">
            Section2 </a></li>
    </ul>
</body>
</html>
```

Side bar.html :

```
<!DOCTYPE html>
<html>
<head>
```

<p> This is Content area. click on links in row page
to load content here !</p>

</body>

</html>

Section1.html:-

<!DOCTYPE html>

<html>

<head>

<title> section1 </title>

</head>

<body>

<h1> section1 </h1>

<p>This is section1 page </p>

</body>

</html>

Section 2.html:-

<!DOCTYPE html>

<html>

<head>

<title> section 2 </title>

</head>

<body>

<h1> section 2 </h1>

<p>This is section 2 page </p>

</body>

</html>

Section2.html:-

<!DOCTYPE html>

<html>

<head>

<title> Section2 </title>

</head>

<body>

<h1> section 2 </h1>

<p> This is Section 2
page </p>

</body>

</html>

• Section 1

• Section 2

• Section3

welcome

This is content area. click on row
Page to load content here!

```
<frameset cols="20%, 80%">
  <frame src="navigation.html" name="nav Frame">
  <frame src="Content.html" name="main Frame">
</frameset>
</html>
```

Navigation.html :-

```
<!DOCTYPE html>
<html>
  <head>
    <title> Navigation </title>
  </head>
  <body>
    <ul>
      <li><a href="section1.html" target="mainframe">
          Section 1 </a></li>
      <li><a href="section2.html" target="mainframe">
          Section 2 </a></li>
      <li><a href="section3.html" target="mainframe">
          Section 3 </a></li>
    </ul>
  </body>
</html>
```

Content.html:

```
<!DOCTYPE html>
<html>
  <head>
    <title> Main Content </title>
  </head>
  <body>
    <h1> Welcome to my website ! </h1>
    <p> This is the main content area. </p>
    <ul>
      <li> Home </li>
      <li> About </li>
      <li> Services </li>
      <li> Contact </li>
    </ul>
  </body>
</html>
```

if we click on section 1:

<u>Section 1</u>	Section 1
Section 2	This is section 1 page.
Section 3	

if we click on section 2:

<u>Section 1</u>	Section 2
<u>Section 2</u>	This is section 2 page.
Section 3	

if we click on section 3:

<u>Section 1</u>	Section 3
Section 2	This is section 3 page.
<u>Section 3</u>	

Scenario 8:-

You are asked to design a webpage that displays a document in the top half of the window and a footer with contact information in bottom half.

Question: How would you divide the window using frames to achieve layout? Explain how you would set up the rows in the frameset.

HTML structure:-

```
<!DOCTYPE html>
<html>
```

Product Name	Price	Quantity
Product A	1200	1
Product B	1500	2

Scenario 6:-
 You are required to create a table that lists employees by department. The department name should span across multiple rows, with employee names listed in rows beneath each department name.

Question:- How would you structure the table using the rowspan attribute in HTML?

HTML Structure:-

```

<!DOCTYPE html>
<html>
<head>
  <title>Tables</title>
</head>
<body>
  <table border="1">
    <tr>
      <th>Department</th>
      <th>Employee Name</th>
    </tr>
    <tr>
      <td rowspan="3">Sales
      <td>John</td>
    </tr>
    <tr>
      <td>Abay</td>
    </tr>
    <tr>
      <td>Eduard</td>
    </tr>
  </table>
</body>

```

```

<tr>
<td rowspan="2"> Marketing </td>
<td> Siva </td>
</tr>
<tr>
<td> Sai </td>
</tr>
</table>
</body>
</html>

```

Department	Employee Name
Sales	John A bay Sanju
Marketing	Siva Sai

3. HTML Frames:-

Scenario 7:-

your task is to credit a webpage with a left navigation pane and a main Content area. the left pane should contain links to different sections. Contain links to different section of sites, and clicking on these linked should update the Content in the main area without represeenting the entire page.

Question:- How would you implement the using frames in HTML? Describe how you would set up the frameset and link behaviour.

HTML Structure:-

```

<!DOCTYPE html>
<html>
<head>
<title> webpage with frames </title>

```

2. HTML Tables:-

Scenario 4: you are designing a webpage that displays student grades in a tabular format. Each row should represent a student, with columns for the student ID, name, and grade. The first row should be 2 header rows.

Question: How would you Create a table in HTML? include the header row and at least two rows of data.

HTML Structure:

```
<!DOCTYPE html>
<html>
<head>
    <title> Student Grades </title>
</head>
<body>
    <table border="1">
        <tr>
            <th> Student ID </th>
            <th> Name </th>
            <th> Grade </th>
        </tr>
        <tr>
            <td> 1001 </td>
            <td> Siva </td>
            <td> S </td>
        </tr>
    </table>
</body>
</html>
```

student ID Name Grade

1001	Siva	S
------	------	---

Scenario - 2

You need to create a table that displays product information. The table should include merged cells for the product name (spanning across two columns) and separate columns for the price and quantity.

Question: How would you use the colspan attribute to achieve this layout in HTML?

HTML Structure:-

```
<!DOCTYPE html>
<html>
<head>
    <title>Tables </title>
</head>
<body>
    <table border="1">
        <tr>
            <th colspan="2">product Name </th>
            <th> price </th>
            <th> Quantity </th>
        </tr>
        <tr>
            <td colspan="2">product A </td>
            <td> 1200 </td>
            <td> 1 </td>
        </tr>
        <tr>
            <td colspan="2">product B </td>
            <td> 1500 </td>
            <td> 2 </td>
        </tr>
    </table>
</body>
```

```
<ul>
    <li><a href = "index.html"> Home </a></li>
    <li><a href = "about.html"> About </a></li>
    <li><a href = "contact.html"> Contact </a></li>
</ul>
</body>
</html>
```

index.html:-

```
<!DOCTYPE html>
<html>
<head>
    <title> Index </title>
</head>
<body>
    <h1>Index Page</h1>
    <p> This is an index
        Page </p>
</body>
</html>
```

Contact.html:-

```
<!DOCTYPE html>
<html>
<head>
    <title> contact </title>
</head>
<body>
    <h1> Contact page : </h1>
    <p> Welcome to contact page : If any Queries
        Please Contact takkreddycharith@gmail.com </p>
</body>
</html>
```

about.html:-

```
<!DOCTYPE html>
<html>
<head>
    <title> About </title>
</head>
<body>
    <h1> About page </h1>
    <p> welcome to the about
        page ! </p>
</body>
</html>
```

Document page

This is the Content of document.

Contact Information

Email : lakkisreddychaith@gmail.com

Phone : 8341513448

Address : Chennai

Scenario - 9:

You need to create a webpage with three columns: a left nav metrics, a centre content area, and a right side bar for additional information. The centre content area should be resizable, but the left and right columns should have fixed width.

Question: How would you structure the frameset in HTML to create this layout? Describe the attributes you would use for each frame.

HTML structure:

```
<!DOCTYPE html>
<html>
<head>
    <title> Frames </title>
</head>
<frameset cols="20%, *, 20%">
    <frame src="nav.html" name="left frame" scrolling="auto" NOresize>
    <frame src="content.html" name="centre frame" scrolling="auto">
    <frame src="sidebar.html" name="right frame" scrolling="auto">
```