

Basic HTML Concepts

Scenario: You are tasked with creating a simple personal website that includes your name, a brief bio and a link to your favourite page.

Question: How would you structure this HTML page?
2 include elements for heading a paragraph
bio and a hyperlink to your favourite website

HTML Structure

```
<!DOCTYPE html>
<html>
<head>
    <title> personal webpage </title>
</head>
<body>
    <h1> Name: </p><br>
    <h1> Bio: </h1>
    <p> This is Ch. Haushitha, Studying 3rd year  
CSE in SSG, SJMATS </p><br>
    <p> visiting favourite website? <a href =  
        "https://www.netflix.com" target = " _blank">  
        > Link </a>
    </p>
</body>
</html>
```

Scenario 2: You need to create a webpage with an image that acts a clickable link to another website

Question: How would you code this HTML?
Describe tags and attributes you would use
HTML Structure

```
<!DOCTYPE html>
<html>
  <head>
    <title> Clickable Image Link </title>
  </head>
  <body>
    <a href = "https://www.netflix.com" target =
      "blank"><img src = image.gif alt =
      "image" width = "123">
  </a>
</body>
</html>
```

Scenario-3: You have been asked to create a navigation bar at the top of your webpage with links "Home", "About" and "Contact" pages

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

HTML Structure

```
<!DOCTYPE html>
<html>
  <head>
    <title> Webpage with Navigation
    bar </title>
  </head>
```

```
<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>
```

About.html

```
<!DOCTYPE html>
<html>
<head>
<title> About </title>
</head>
<body>
<h1> About page </h1>

```

<p> Welcome to the page </p>

```
</body>
</html>
```

Contact.html

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

HTML Tables

Scenario-4:- You are designing a webpage that displays student grades in a tabular format. Each row should be represented by a student, with cols for the Student ID, Name and Grade. The first row should be a header row.

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

```
<!DOCTYPE html>
<html>
<head>
    <title> Student grades </title>
</head>
```

```
<body>
<table>
    <tr>
        <th>
        <th>
        <th>
    </tr>
    <tr>
        <td>
        <td>
        <td>
    </tr>
    <tr>
        <td>
        <td>
        <td>
    </tr>
</table>
```

Student
101
102

Scenario-5
What did you learn?
Should include
name / Surname
separate columns
Question
attribute

```

</body>

<table border="2">
  <tr>
    <th> Student ID </th>
    <th> Name </th>
    <th> Grade </th>
  </tr>
  <tr>
    <td> 101 </td>
    <td> Sunny </td>
    <td> S </td>
  </tr>
  <tr>
    <td> 103 </td>
    <td> Madhuri </td>
    <td> A </td>
  </tr>
</table>
</body>
</html>

```

Student ID	Name	Grade
101	Sunny	S
103	Madhuri	A

~~Scenario 5:- 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 & quantity.~~

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

f any query

ebpage that
tabular
resented
Student
should

~~a table in
at least~~

```

<!DOCTYPE html>
<html>
  <head>
    <title> Table </title>
  </head>
  <body>
    <table border="1">
      <tr>
        <th colspan="2" rowspan="2"> Product Name </th>
        <th> Price </th>
        <th> Quantity </th>
      </tr>
      <tr>
        <td colspan="2" rowspan="2" style="text-align: center;">Product A
        <td> 1200 </td>
        <td> 1 </td>
      </tr>
      <tr>
        <td colspan="2" rowspan="2" style="text-align: center;">Product B
        <td> 1500 </td>
        <td> 2 </td>
      </tr>
    </table>
  </body>
</html>

```

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

Scenario 6:

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that
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with
err

Question:

Using

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Scenario 6: You are required to create a table that lists employees by departments. The department name should span across multiple rows with employee name listed

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

```
<!DOCTYPE html>
<html>
  <head>
    <table border="1">
      <tr>
        <th> Department </th>
        <th> Employee Name </th>
      </tr>
      <tr>
        <td> rowspan="3" > Sales </td>
        <td> Bhavu </td>
      </tr>
      <tr>
        <td> Sat </td>
      </tr>
      <tr>
        <td> Marketing </td>
        <td> Sunny </td>
      </tr>
      <tr>
        <td> manu </td>
      </tr>
    </table>
  </head>
  <body>
    <h1> Employee List </h1>
    <table border="1">
      <thead>
        <tr>
          <th> Department </th>
          <th> Employee Name </th>
        </tr>
      </thead>
      <tbody>
        <tr>
          <td> Sales </td>
          <td> Bhavu </td>
        </tr>
        <tr>
          <td> Sales </td>
          <td> Sat </td>
        </tr>
        <tr>
          <td> Marketing </td>
          <td> Marketing </td>
        </tr>
        <tr>
          <td> Marketing </td>
          <td> Sunny </td>
        </tr>
        <tr>
          <td> manu </td>
          <td> manu </td>
        </tr>
      </tbody>
    </table>
  </body>
</html>
```

Quantity
1
2

Department	Employee Name
Sales	Rhans sai
Marketing	SUNNY mano

HTML frames

Scenario-7:- Your task is to create a web page a left navigation plan and a main content arrangement a left pane should contain links to different contents

Question: How would you implement this using form in HTML? Describe how you would setup the frame and link behaviors

```
<!DOCTYPE html>
<html>
<head>
<title> webpage with frames </title>
</head>
<frameset cols = "20%, 80%">
<frame src = "Navigation.html" name = "nav">
<frame src = "Content.html" name = "content">
</frameset>
</html>
```

Scenario 8:- that displays the window action in

Question:-

using frame

You will

HTML St

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Docum

This is

Contact

Email

Phone:

Add:

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 get up two in frames.

HTML Structure

```
<!DOCTYPE html>
<html>
  <head>
    <title> frames </title>
  </head>
  <frameset rows="50%, 50%">
    <frame src="document.html" name="topframe">
    <frame src="footer.html" name="bottomframe">
  </frameset>
</html>
```

Document page

This is the content of document.html

Contact Information

Email: sonnyd914@gmail.com

Phone: 7702139840

Add: Anantapur

Scenario-9:- You need to create a webpage with three columns is a left nav menu, a central content area, and a right side bar for additional information. The content area should be scrollable but the sidebar should be static.

Question: How would you structure the frame 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">
    <frame src="content.html" name="center
           frame" scrolling="no;">
    <frame src="side_bar.html" name="right
           frame" scrolling="auto" noresize>
  </frameset>
</html>
```

Section 1	Welcome	additional information
Section 2	This is a Content Page	This is a right situation to display additional information

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