HTML Page Layout

OBJECTIVES
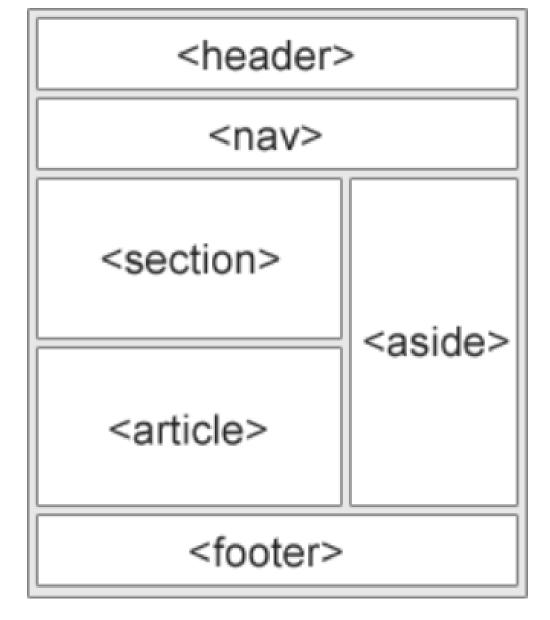
By the end of the session, students should be able to

❑ Define Frames, <div> tag and <span> tag

❑ Justify the usage of page layout elements

❑ Create div tags, span tag, frames and implement frames attributes

❑ Justify the issues related to frames

HTML Layouts

❑ Is an arrangement of visual elements on webpage to look better.
❑ Every websites have specific layout design to display the contents in specific manner.
❑ HTML5 elements to define the different parts of webpage are:

- ❑ **<header>:** It is used to define a header for a document or a section.
- ❑ **<nav>:** It is used to define a container for navigation links
- ❑ **<section>:** It is used to define a section in a document
- ❑ **<article>:** It is used to define an independent self-contained article
- ❑ **<aside>:** It is used to define content aside from the content (like a sidebar)
- ❑ **<footer>:** It is used to define a footer for a document or a section
- ❑ **<details>:** It is used to define additional details
- ❑ **<summary>:** It is used to define a heading for the <details> element

❑ HTML Layout using table….not recommended

❑ HTML Layout using <span> and <div> tags

HTML Frames

❑Frames are ways of organizing your websites

❑Frames is used to display multiple pages in the same webpage, at the same time.

❑Allows you to divide your window into various segment for different purposes

❑To have all the sites visible on the page

❑Frames are individual segment of the window, each having its own page loading on it and being able to work autonomously

❑This gives you greater flexibility than simply dumping everything on one page

HTML Frames

❑Prior to HTML 5, frames are created using the *<frameset>* tag

❑With advent of HTML 5, the *<frameset> , <frame>, and <noframes>* tags have been removed

❑replaced with new tag called the *<iframe>* tag

❑The iframe element defines inline frame that helps in embedding another HTML document within the main HTML document

❑It is also called nested browsing context

❑In addition, you can create an inline frame using or providing the path of another HTML document or a web page in the **src** attribute of the iframe

Creating Frames

❑To create an inline frame, you need to specify the source of another HTML document in the src attribute of the iframe tag

```
<!DOCTYPE HTML>
<html>
<head>
<title>iframe</title>
</head>
<body>
<h1>trying out Frames</h1>
<iframe src="table.html">Frame 1</iframe>
<br>
<iframe src="tableWork.html" height="400">Frame 2</iframe>
</body>
</html>
```

Removing border

By default the iframes has border

It can be removed using style attribute:

<iframe src="table.html" style="border:none;"></iframe>

The size, style and color of the border can be changed.

<iframe src="pen.html" height="400" width="400" style="border:2px solid red;">Frame 2</iframe>

Homework

❑Prepare a note on issues and problems with frames

❑Explore on attributes for the iframe element

Thank you