

Assignment 1

→ Aim :

Using HTML5 layout tags develop informative page with sections which include various images, links to other pages for navigation, make use of all possible formatting (for example font, color, etc.)

→ Objectives :

1. It gives an introduction into basic concepts of HTML tags
2. It gives an introduction/understanding of various features introduced in HTML5
3. It gives understanding of you can use it to build interactive web page

→ Theory :

A. HTML

• Structure of HTML document :

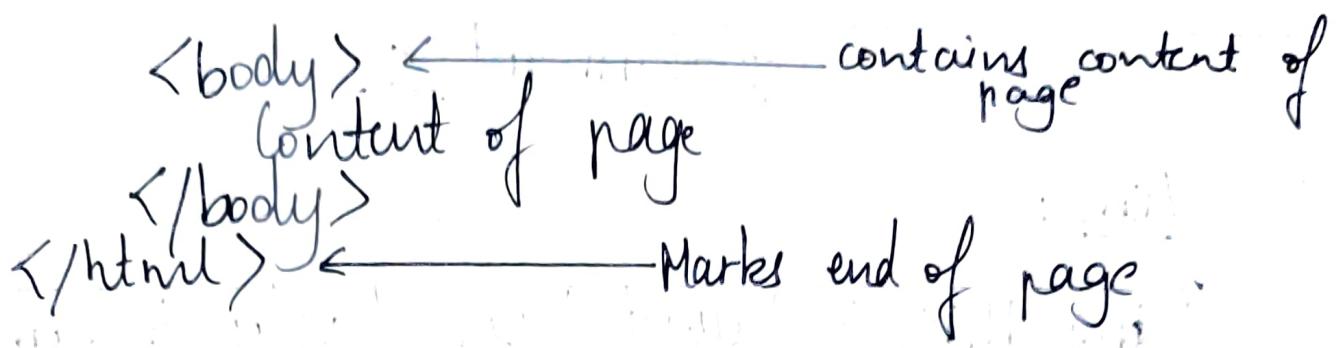
<html>  indicates HTML file.

<head>

<title> Title of web page </title>

</head>

contains
title of the page



B. HTML5 :

- HTML5 is the latest and most enhanced version of HTML. HTML is not a programming language, it is a markup language.
- A webpage being rendered in the browser consists of many things! HTML5 offers a set of markup elements that allow you to create a structured layout for web pages.

c] Layouts :

- Layout is the compilation of text & graphics on a page. Many websites have multiple columns in their layout.
- With frames, you can display more than one HTML document in the same browser window.
- The HTML `<div>` tag defines a section of in an HTML document. It is very often used with CSS, to layout a webpage. It acts as a container unit and divides the pages in sections.

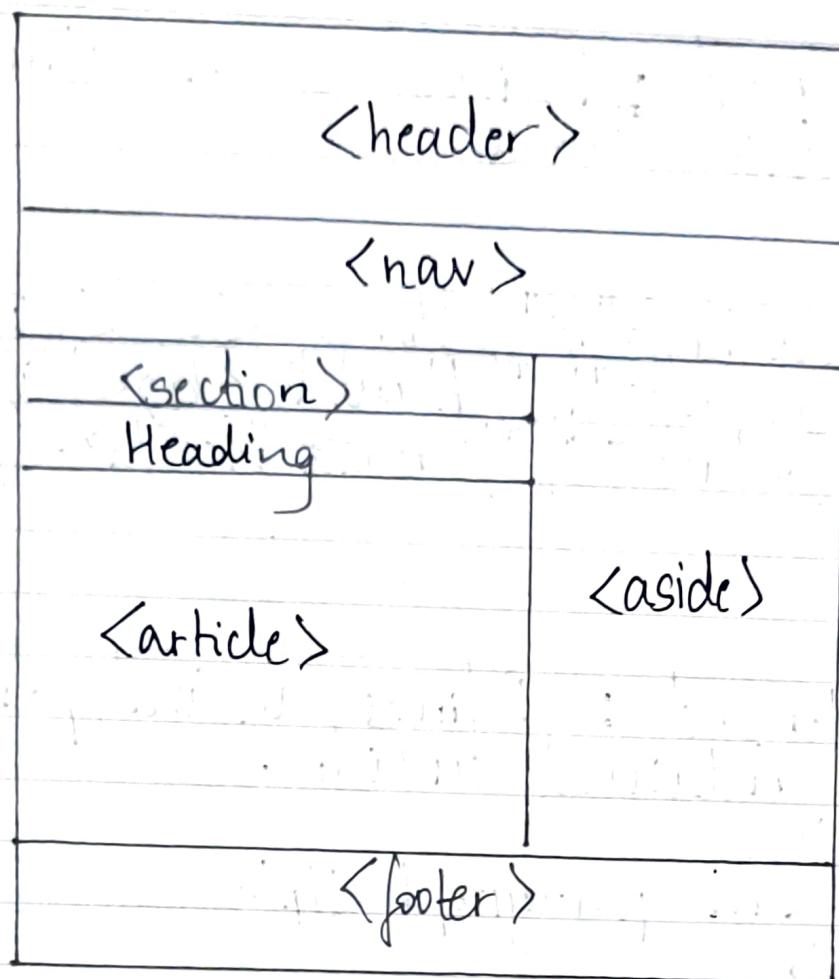


Fig. A sample page layout

- Header Element : Defines a header for a document or a section.

Eg. <header>

```
<h1> heading </h1>
</header>
```

- Section Element : Defines a section in a page

Eg. <section>

```
<h1> Heading </h1>
<p> 1st paragraph ... </p>
<p> 2nd paragraph ... </p>
</section>
```

- Nav Element : Defines a container for navigation links.

Eg. <nav>

 Home

 About Us

 Contact Us

</nav>

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- Article Element : Defines an independent self-contained article.

Eg. <article>

<p> some paragraph </p>
</article>

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- Aside Element : Defines content aside from the content.

Eg. <aside>

<figure>

<figcaption> Caption </figcaption>

</figure>

<p> paragraph ... </p>

</aside>

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- Footer Element : Define the footer for a document

Eg. <footer>

Copyright (c) 2013. All rights reserved
</footer>

→ Conclusion :

HTML tags & HTML5 layout tags have been studied and used for creation of interactive web page.