

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

`<body>` ← contains content of page
content of page
`</body>`
`</html>` ← Marks end of 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 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.

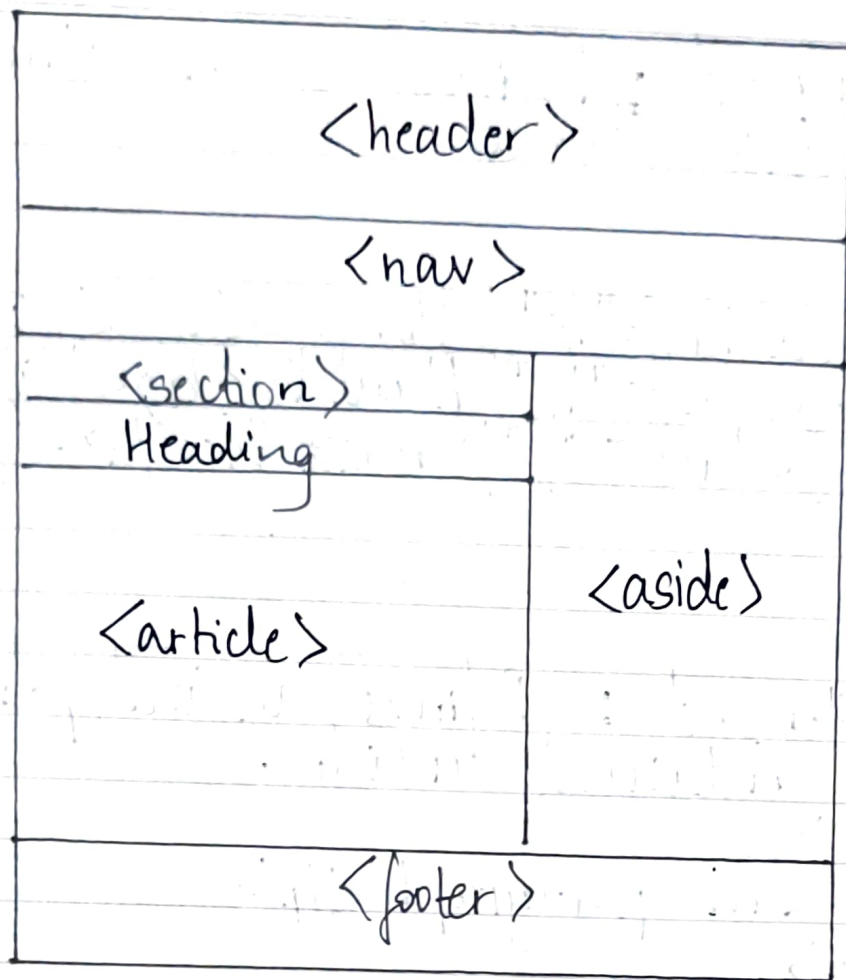


Fig. A sample page layout

- 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>
  <ul>
    <li> <a href="#"> Home </a> </li>
    <li> <a href="#"> About Us </a> </li>
    <li> <a href="#"> Contact Us </a> </li>
  </ul>
</nav>
```

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

Eg.

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

- Aside Element : Defines content aside from the content.

Eg.

```
<aside>
  <figure>
    
    <figcaption> Caption </figcaption>
  </figure>
  <p> paragraph...
  </p>
</aside>
```

- Footer Element : Defines 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.
