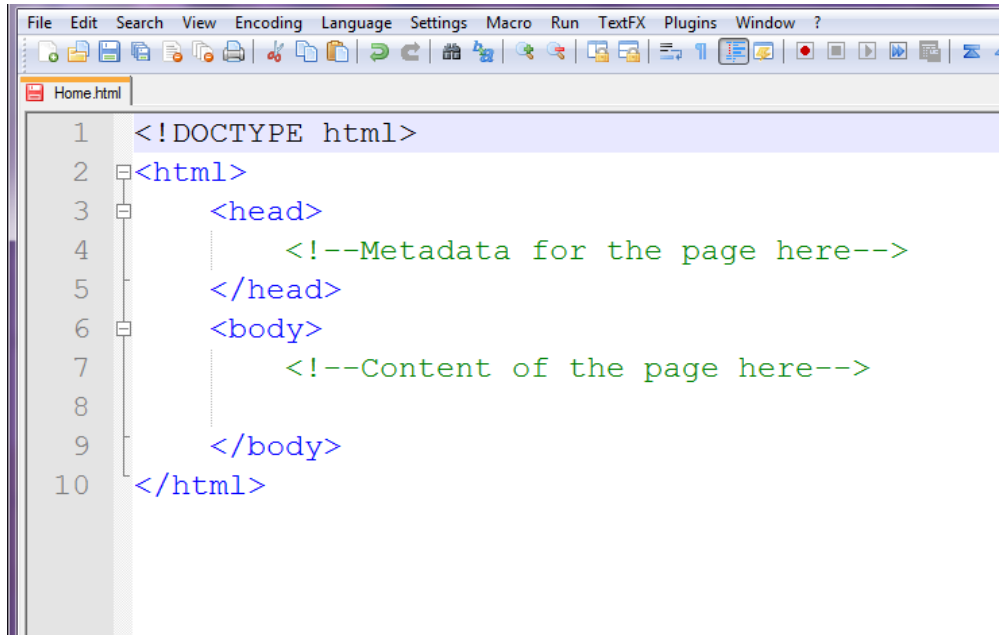# Basics of HTML

## Introduction

- HTML is Hyper Text Markup Language. It is not a programming language.

- HTML is the language in which most websites are written.

- HTML was created by Tim Berners- Lee, Robert Cailliau, and others starting in 1989.

- Hypertext means that the document contains links that allow the reader to jump to other places in the document or to another document altogether.

- The latest version is known as HTML5

- HTML files must have extension .html

- HTML uses two things: tags and attributes. Tags are also known as markup tags.

- Tags are used to mark up the start of an HTML element and they are usually enclosed in angle brackets. For example <h1>

- Most tags must be opened and closed in order to work. (<h1>some text</h1>)

- Attributes contain additional pieces of information. Attributes take the form of an opening tag and additional info is placed inside.

- For example: <img src="mypic.jpg" alt="My photo">

## HTML Editors

- You can use any text editor like notepad, notepad++, sublime Text 3, Komodo, etc. to write and edit HTML code.

- Additionally you need a browser to run your HTML code. Browsers are Chrome, Firefox, safari, etc.

## Structuring of HTMl code

- <!DOCTYPE html> this tag specifies the language you will write on the page. In this case the language is HTML5.

- <html> This tag signals that from here on we are going to write in HTML code.

- <head> This is where all the metadata for the page goes. This information is mostly meant for search engines and other computer programs.

- <body> This is where the content of the page goes.

```
File  Edit  Search  View  Encoding  Language  Settings  Macro  Run  TextFX  Plugins  Window  ?
```

Home.html

```html
1    <!DOCTYPE html>
2    <html>
3        <head>
4            <!--Metadata for the page here-->
5        </head>
6        <body>
7            <!--Content of the page here-->
8
9        </body>
10   </html>
```