

Experiment:4

STUDY ABOUT THE HTML(HYPER TEXT MARKUP LANGUAGE)

1.0 BASICS OF HTML

The Web pages or materials in the form of hypermedia documents accessed through the Internet, can be located anywhere in the world.

No matter where they are originated, most of the web documents are created using Hypertext Markup Language (HTML). HTML is powerful authoring language and found in different versions like HTML 4.2, HTML 4.0, HTML 3.2, HTML 3.0 and HTML 2. HTML element can be used to define document structure & format, HTML element is the inclusive region defined by either a single tag or a pair of tags. A tag is a string in the language surrounded by a less than (<) and a greater than (>) sign. An opening tag does not begin with a slash (/). An ending or closing tag is a string that begins with a slash (/).

HTML documents format textual information with embedded markup tags that provide style and structure information. Whole document in HTML is surrounded by <HTML> and </HTML>.

1.2 HOW TO CREATE HTML DOCUMENT

HTML document can be created using any HTML editor and text editor like notepad etc.

1.3 STEPS FOR CREATING A SIMPLE HTML PROGRAM

1. Go to **Start -> Programs->Accessories->Notepad**.
2. Begin with a document type tag and an <HTML> opening tag.
Enter the following line in your doc.

<HTML>

3. Indicate that you are beginning the head element of document by issuing the <HEAD> opening tag. If a <HEAD> element is included, it must appear within an <HTML> element. The following line should appear next in your document:

<HEAD>

4. The <TITLE> element is used to indicate the title of an HTML document. <TITLE> tags are placed within the head component of a document and the title is placed between the opening and closing <TITLE> tags. Add this <TITLE> element to your document.

<TITLE>My First Page</TITLE>

5. To end the head areas issue a <HEAD> closing tag.

</HEAD>

Thus the <HEAD> element is nested within the <HTML> element.

6. At this point the body of the document is developed. A <BODY> opening tag indicates that this point has been reached. Enter the following line.

<BODY>

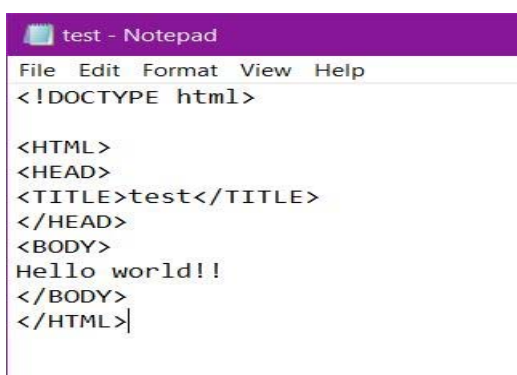
7. In this case, the body of document contains a simple text statement for now. Add the following statement in your file:

Hello World !

8. A </BODY> closing tag marks the end of the <BODY> element. Similar to the Head element, the <BODY> element is also completely nested within the <HTML> element. To end the <BODY> element, issue the closing tag in your document.

</BODY>

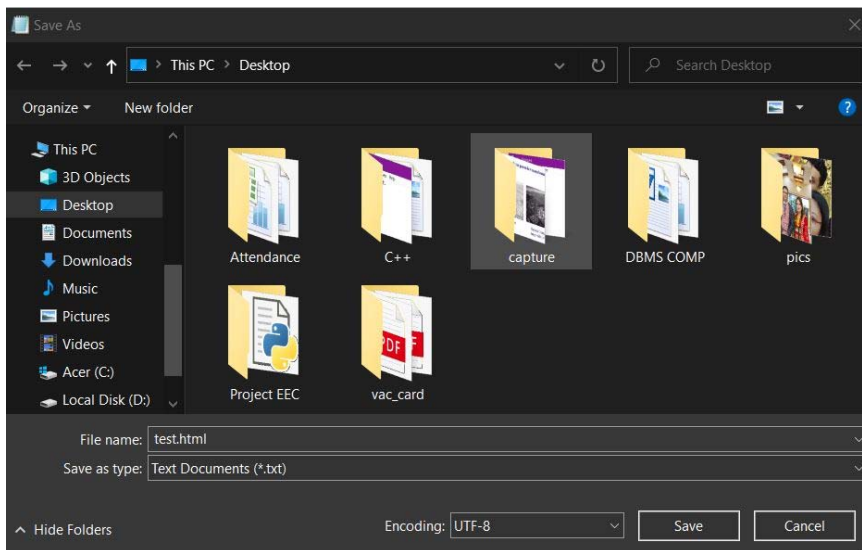
9. Finally, terminate the <HTML> tag with </HTML> as shown below:



```
test - Notepad
File Edit Format View Help
<!DOCTYPE html>

<HTML>
<HEAD>
<TITLE>test</TITLE>
</HEAD>
<BODY>
Hello world!!
</BODY>
</HTML>
```

10. Save your document as mypage.html



1.4 Tags in HTML

Exercise:

1. Create a web Page using href tag having the attribute alink, vlink etc.

```
<!DOCTYPE html>

<HTML>
<HEAD>
<TITLE>exercise 1</TITLE>
</HEAD>
<BODY bgColor="clay" Text="blue" vlink = "red" alink = "blue" >
<P ALIGN="center"><FONT SIZE="5"><B>CSSimplified.com
Links...</B></FONT></P>
<BR><A HREF="C_programming.html">C_programming</A>
<BR><A HREF="Assembly_Language.html">Assembly_Language</A>
<BR><A HREF="Data_Structure.html">Data_Structure</A>
</BODY>
</HTML>
```

2. Create a web page, when user clicks on the link it should go to the bottom of the page.

```
<!DOCTYPE html>
<HTML>
<HEAD>
<TITLE>Exercise 2</TITLE>
</HEAD>
<BODY bgColor="black" Text="blue">
<P ALIGN="center"><FONT FACE="verdana"
SIZE="5"><B>Dishes</B></FONT></P>
<P ALIGN="left"><A HREF="#bottom">Bottom</A>
<OL>
<LI>Punjabi</LI>
<UL>
<LI>Veg. Muglai</LI>
<LI>Veg. Tawa Masala</LI>
<LI>Paneer Tikka Masala</LI>
<LI>Paneer Makhanwala</LI>
<LI>Paneer Pasanda</LI>
</UL>
<LI>Chinese</LI>
<UL>
<LI>American Copsuey</LI>
<LI>Veg. Hakka Noodles</LI>
<LI>Veg. Shezwan Rice</LI>
<LI>Veg. Fried Rice</LI>
<LI>Veg. Triple Rice</LI>
</UL>
<LI>Soups</LI>
<UL>
<LI>Sweet Corn Soup</LI>
<LI>Veg. Manchow Soup</LI>
<LI>Tomato soup</LI>
<LI>Hot n Saur Soup</LI>
<LI>Palak Soup</LI>
</UL>
<LI>Juices</LI>
<UL>
<LI>Mosambi</LI>
<LI>Pineapple</LI>
<LI>Orange</LI>
<LI>WaterMelon</LI>
<LI>Grapes</LI>
</UL>
<LI>Soups</LI>
```

```

<UL>
<LI>Sweet Corn Soup</LI>
<LI>Veg. Manchow Soup</LI>
<LI>Tomato soup</LI>
<LI>Hot n Saur Soup</LI>
<LI>Palak Soup</LI>
</UL>
<LI>Juices</LI>
<UL>
<LI>Mosambi</LI>
<LI>Pineapple</LI>
<LI>Orange</LI>
<LI>WaterMelon</LI>
<LI>Grapes</LI>
</UL>
</OL>
<A NAME="bottom">
</BODY>
</HTML>

```

3. Write a HTML code to create a web page of pink color and display moving message in red color.

```

<!DOCTYPE html>
<HTML>
<HEAD>
<TITLE>Excercise 3</TITLE>
</HEAD>
<BODY BGCOLOR="pink">
<MARQUEE>
<FONT FACE="verdana" COLOR="red" SIZE="5">
<B>Moving Line</B>
</FONT>
</MARQUEE>
</BODY>
</HTML>

```

4. Create a web page, showing an ordered list of name of your five friends.

```

<!DOCTYPE html>

<HTML>
<HEAD>
<TITLE>Excercise 4</TITLE>
</HEAD>
<BODY bgColor="red" Text="yellow">
<P ALIGN="center"><FONT SIZE="5"><B>Excercise 4</B></FONT></P>
<P ALIGN="center"><FONT FACE="verdana" SIZE="5"><B>Friends
List</B></FONT></P>
<OL>
<LI>Prachi</LI>

```

```

<LI>Rohan</LI>
<LI>Chirag</LI>
<LI>Kunal</LI>
<LI>Milin</LI>
</OL>
</BODY>
</HTML>

```

5. Create the following table in HTML with Dummy Data

TABLE TITLE	
Column A	Column B
Data 1	Data 2
Data 3	Data 4
Data 5	Data 6

```

<!DOCTYPE html>
<HTML>
<HEAD>
<TITLE>Excercise 5</TITLE>
</HEAD>
<BODY BGCOLOR="pink">
<TABLE BORDER="5">
  <TR>
    <TH COLSPAN="2">
      <H3><BR>TABLE TITLE</H3>
    </TH>
  </TR>
  <TR>
    <TH>Column A</TH>
    <TH>Column B</TH>
  <TR>
    <TD>Data 1</TD>
    <TD>Data 2</TD>
  </TR>
  <TR>
    <TD>Data 3</TD>
    <TD>Data 4</TD>
  </TR>
  <TR>
    <TD>Data 5</TD>
    <TD>Data 6</TD>
  </TR>
</TABLE>
</BODY>
</HTML>

```