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Learnem Group presents:

Web page design in 7 days !

Lessons 1- 7

By: [Siamak Sarmady](#)

[Start Here](#)



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Web page design course

Lesson 1

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1-1 Introduction

So you have decided to design your web pages yourself! Good decision. So let's start quickly.

Web pages are ordinary files with .htm or .html file extensions. They contain a code named "hyper text mark-up language" or html. This codes when viewed in a browser like Internet Explorer or Netscape will be seen as beautiful web pages however code under web page may be complicated.

To design an html web page you have two options:

a. You can use a web page editor like Microsoft FrontPage to create web pages. It works exactly like Microsoft word (a complicated editor program used for creating and editing book, letter etc pages.) You just type text, insert graphics and finally save your document as an html web page. By the way word 2000 itself can save your existing documents as html pages.

So you see designing a web page can be very easy. But soon you will see that this is not a good option for creating a professional web page.

b. Second option is to learn html codes and write html pages in a simple text editor. As we said your codes will be seen as WebPages when viewed in a web browser.

1-2 Reasons for choosing second option

- If you want to design professional web pages using these tools will not be enough. You must be familiar with html codes.
- Results of these editors are big and sometimes chaotic code. Maintaining this code is very difficult.

- If you want to design dynamic web pages in future you will need to know html codes.
 - If you will need forms in your pages to send information to server and return result pages back to browser you will need to know html codes.
 - There are other reasons that dictate us to learn html coding and not satisfy with these tools.
-

1-3 Tools you will need

You will need a simple text editor to write html codes. For example you can use notepad in windows or any text editor in other operating systems. You will also need a browser like Internet explorer or Netscape Navigator. In this course we will assume that you are working in windows 9X/NT/2000.

1-4 Start Here

Now open notepad and type the following code.

[Example 1-1:](#)

```
<HTML>
Hello world!
</HTML>
```

Now save the text as "page11.html" To browse html file open windows explorer and double click on the file. You must see your first web page opened in your web browser. Note: If you have any question about lessons. You can ask them in our support forums. Visit our [website](#) and click on "[support forums](#)" link.

<HTML> and </HTML> are called tags. First one is a start tag and second is an end tag. Tags are something like commands in programming languages. <HTML> tag tells the browser that this is start of the HTML and </HTML> marks its end.

<HTML> </HTML> mark start and end o a html page.

1-5 HTML code headers

Every html page must have a header. Header contains important information about the page. Different tags are used for different sections of a header. Header of an html page is specified by <HEAD> and </HEAD> tags.

```
<HTML>
<HEAD>
.
.
.
</HEAD>
</HTML>
```

We will enter header information between <HEAD> </HEAD> tags.

1-6 Title

One of the most important parts of a header is title. Title is the small text that will appear in title bar of viewer's browser. So html document will be as below.

```
<HTML>
<HEAD>
<TITLE>Title of the page</TITLE>
</HEAD>
</HTML>
```

1-7 Web page body

Now our web page needs a body in which we will enter web page content. As you may guess we will use these tags:

```
<BODY> </BODY>
```

Body will come right after header end tag. So our web page will be something like this

[Example 1-2:](#)

```
<HTML>
<HEAD>
<TITLE>My company web page</TITLE>
</HEAD>
<BODY>
Welcome to our homepage. More text here.
</BODY>
</HTML>
```

Now type html code in notepad and save it as "page2.html". Then view html file in your browser by double clicking on it in windows explorer.

1-8 Extended <BODY> tag

Most of html tags we will learn have optional parameters and extensions. Here we will learn to extensions for <BODY> tag.

1-9 Background color for body of web page

If you want you can change background color of your web page by extending <BODY> tag as below.

[Example 1-3:](#)

```
<HTML>
<HEAD>
<TITLE>Page with Back Color</TITLE>
</HEAD>
<BODY BGCOLOR="#00FF00">
Page with Back Color
</BODY>
</HTML>
```

This will change your background color to green. Format of color number is RRGGBB. You know that each color is a combination of three main colors: Red, Green and Blue. In color format RR is

value of red component of the main color in hexadecimal format. GG is value of green component and BB is the value of blue component.

Two digit hexadecimal number can be anything between 00 to FF i.e. 0 to 255 in decimal format. So if we write 00FF00 we mean (red=0, green=255, blue=0) so the result is a pure green color.

You can produce 16 million colors in this way but pay attention that not all of the browsers will be capable to show all these colors. So test your web page in 256 colors mode.

1-10 Background Image

We can use a background picture for web page instead of background color. You must have a ready image file in .gif or .jpg formats. Now you must extend <BODY> tag as below. "image1.gif" is file name of the image we want to use as background image.

```
<BODY BACKGROUND="image1.gif">
```

Example 1-4:

```
<HTML>
<HEAD>
<TITLE>Page with background image</TITLE>
</HEAD>
<BODY BACKGROUND="image1.gif">
<B>Page with background image.</B>
</BODY>
</HTML>
```

Image file must be in the same folder as your html file. Otherwise browser will not be able to find it.

Notice: You can find examples of this lessons in our website. There you must go to resources section and then click on "Web email course example page."

Exercises:

Attention:

Do not use any html editing program like MS FrontPage . You must work on the codes yourself.

Course support:

Paid students must send exercises to their tutor. Tutor will return corrected exercise to the student. Others can ask their questions in Support forums in our web site.

- 1- Write your web page code with image1.gif as its background picture.
- 2- Write above code with a blue color instead of image as its background.
- 3- List tags you learned in this lesson with a small description.

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Web page design course

Lesson 2

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2-1 Text Formatting

Until now we have learned to insert simple text into our web pages. In this lesson we will learn text formatting techniques. This part of html writing skills is the most important part of our whole web design course. So you must learn it word by word.

2-2 Changing text style

We can make a text bold, italic or underlined. If you want to make a text bold, you must inclose it in `...` tags.

```
<BODY>
This is very <B> important </B>
</BODY>
```

In above text the word "important" is typed bold. You can make a text italic by inclosing it in `<I>...</I>` tags.

And finally you can make some text underlined by inclosing it in `<U>...</U>` tags.

[Example 2-1:](#)

```
<HTML>
<HEAD>
<TITLE>Example 1, Lesson 2</TITLE>
```

```
</HEAD>
<BODY>
<B>This text is bold</B><br>
<I>While this one is Italic</I><br>
<U>and this text is underlined</U><br>
<B><I>Look at this, this is both bold and italic</I></B>
</BODY>
</HTML>
```

In above example you can see that how we can make a text both bold and italic or any other combination.

You may notice the tag `
` in the end of each line. Let's see what is this tag. If you insert enter keys (new line characters) at the end of each line and wish that it will make new lines in your output page you will soon be disappointed.

All lines will be in a single line in output web page. No matter how html code is written in separate lines. To break lines in output web page you must insert `
` tags in breaking points. Also pay attention that `
` tag is one of few single tags in html language . It has not an ending tag.

2-3 Nested Tags

In previous section we saw a line of code with nested tags.

```
<B><I>This is both bold and italic</I></B>
```

When you use nested tags you must be sure that they do not overlap each other. They must be nested exactly. For example some part of text may change to bold although it is not desired.

2-4 Text with fixed width font

As you may know, regular fonts use different horizontal space. For example letter 'w' uses more space than the letter 'i'. Sometimes we need a font with exactly the same width for all letters . For example if you want to make a table of numbers and you want the columns to be exactly under each other in different rows, we will need this kind of text.

To specify this kind of text you must use `<TT>...</TT>` tags. TT means Typewriter Text.

2-5 Changing size and face of fonts

We can change face and size of fonts using `...` tags. Also using this tag alone will not change the text. You need to use parameters for this tag. This parameters specify what kind of change you need in text font.

2-6 Size of font

To change size of font in a part of text, inclose it with a `` tag as below:

```
<FONT SIZE=n>...,</font>
```

n is size of font. size of font must be a number between 1 and 7. If you insert some text without determining its size default size will be 3.

Example 2-2

```
<HTML>
<HEAD>
<TITLE> Example 2, Lesson 2</TITLE>
</HEAD>
<BODY>
<FONT SIZE= 1> 1This text is bold</FONT><br>
<FONT SIZE= 2> 2This text is bold</FONT><br>
<FONT SIZE= 3> 3This text is bold</FONT><br>
<FONT SIZE= 4> 4This text is bold</FONT><br>
<FONT SIZE= 5> 5This text is bold</FONT><br>
<FONT SIZE= 6> 6This text is bold</FONT><br>
<FONT SIZE= 7> 7This text is bold</FONT><br>
</BODY>
</HTML>
```

2-7 Face of fonts

We can use a font for a part of text by specifying its name.

```
<FONT FACE="Font Name Here">...</FONT>
```

You must insert font name in double quotes in above tag.

Example 2-3:

```
<HTML>
<HEAD>
<TITLE> Example 3, Lesson 2</TITLE>
</HEAD>
<BODY>
<FONT FACE="ARIAL">This text is in ARIAL font</FONT><br>
<FONT FACE="IMPACT">This text is in IMPACT font</FONT><br>
</BODY>
</HTML>
```

In above example we have used Arial and Impact fonts while you can use any font you want.

Warning: Fonts will be displayed on your viewer if specified font is installed on your computer. So be careful while using new fonts. It's better to use native windows fonts in your pages. Windows is used by about %95 of web surfers.

Alternatively you can use several font faces for each part of your text. In this way your browser will try alternative fonts if it can not find primary font.

```
<FONT Face="Arial,HELVATICA">...</FONT>
```

2-8 Changing font colors

In previous lesson you learned how to change web page background color. Here we will learn how to change text color. Look at this example:

example 2-4:

```
<HTML>
<HEAD>
<TITLE>Example 4, Lesson 2</TITLE>
</HEAD>
<BODY>
<FONT COLOR="#FF0000">This text is in red color.</FONT><br>
<FONT COLOR="#00FF00">This text is in green color.</FONT><br>
<FONT COLOR="#0000FF">This text is in blue color.</FONT><br>
</BODY>
</HTML>
```

In above text different colors are used. You can change text color by changing color number. If you don't remember how to specify color numbers return to previous lesson and review section on "web page background color".

2-9 Combining Font attributes

We can obviously combine tag parameters as we wish. In this way we will be able to have text with different colors, font faces and font sizes.

You can even use text styles with tag by nesting style and font tags.

```
<B><I><FONT SIZE="5" FACE="IMPACT" COLOR="#00FF00">
How is this ?
</FONT></I></B>
```

2-10 Changing default font colors in a web page

Each browser has its own default settings for text color, link color, visited link color and active link color.

Text color default is black. Links are usually blue. To change default settings for these values you must use <BODY> tag with more parameters.

```
<BODY BGCOLOR="#FFFFFF" TEXT="#000000" LINK="#0000FF"
VLINK="#00FF00" ALINK="#FF0000">Some Text </BODY>
```

BGCOLOR: Web page background

TEXT: Text Color

LINK: Link Color

VLINK: Visited link

ALINK: Active link

2-11 End

This lesson included some of the most important techniques in html writing. Now you must be able to use any kind of text in your web pages.

As remembering so much tags and parameters is difficult, you must use them repeatedly so that you can remember them.

I always tell this sentence in my programming classes: "No one becomes a programmer without programming"

Notice: You can find examples of this lessons in our website. There you must go to resources

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