

Hacettepe University
Department Of Computer Engineering
BBM103 Introduction to Programming Laboratory I
Experiment 1

Subject : Building personal web site by utilizing HTML and CSS
Submission Date : 01.10.2014
Due Date : 15.10.2014
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Programming Language : HTML + CSS

1. AIM:

In this experiment, you will have a chance to learn how to create a static html file, and how to publish your personal web sites on the Internet. So you will also learn using your accounts on our department's servers.

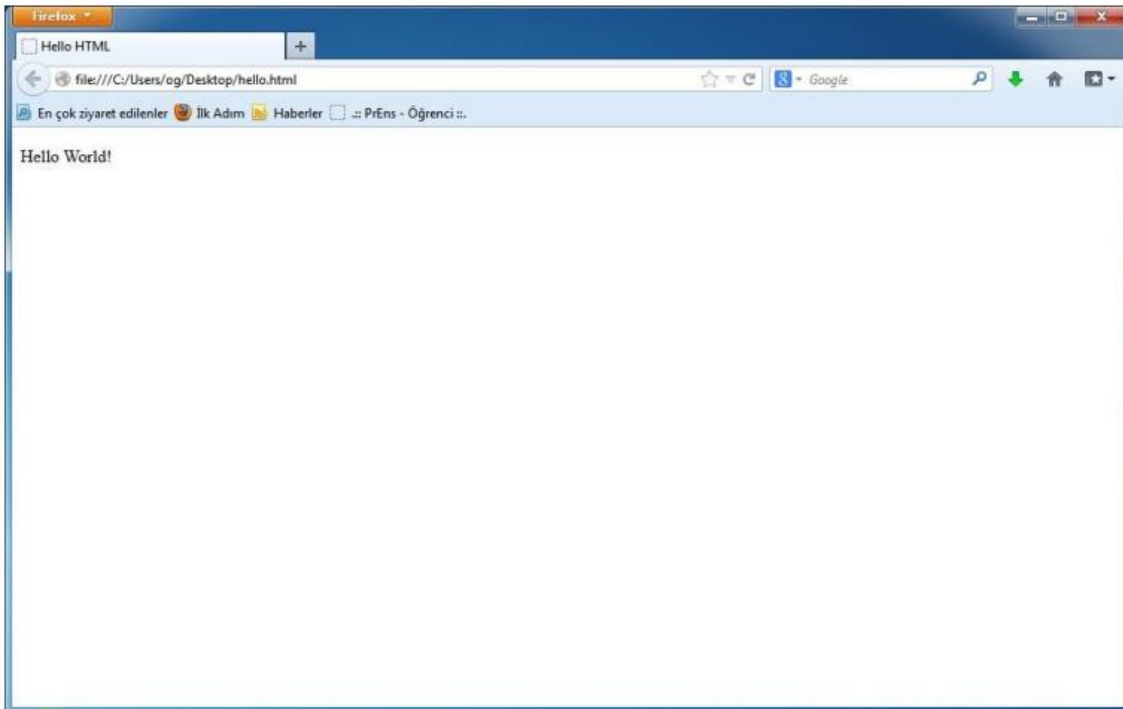
2. BACKGROUND :

According to Wikipedia HTML is: *"HTML, which stands for Hyper Text Markup Language, is the predominant markup language for web pages. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists etc as well as for links, quotes, and other items. It allows images and objects to be embedded and can be used to create interactive forms. It is written in the form of HTML elements consisting of "tags" surrounded by angle brackets within the web page content. It can include or can load scripts in languages such as JavaScript which affect the behavior of HTML processors like Web browsers; and Cascading Style Sheets (CSS) to define the appearance and layout of text and other material. The W3C, maintainer of both HTML and CSS standards, encourages the use of CSS over explicit presentational markup. Hyper Text Markup Language (HTML) is the encoding scheme used to create and format a web document. A user need not be an expert programmer to make use of HTML for creating hypertext documents that can be put on the internet."*

First Experience with HTML

```
<!doctype html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>
    <link rel="stylesheet" type="text/css" href="/style.css" />
    <title>Hello HTML</title>
  </head>
  <body>
    <p>Hello World!</p>
  </body>
</html>
```

And you can see it with your browser as:



On the other hand, CSS (Cascading Style Sheets) is another standing web technology for styling html elements (tags). A sample CSS file is being listed below:

```
body {
    background-color: White;
}

h1 {
    color: orange;
    text-align: center;
}

p {
    font-family: "Times New Roman";
    font-size: 20px;
}
```

According to these definitions, browsers create three rules for the element type **body**, **h1** and **p**. These rules render the body of the web page as white color decorated and "h1" type headings are horizontally centered and have orange color. Likewise, paragraphs are being rendered as 20px height with Times New Roman font. There exist several CSS rules for different styling functions. Note that, HTML files must be linked to CSS files at the head section. A sample is listed below:

```
<link rel="stylesheet" type="text/css" href="./stdtheme.css" />
```

3. EXPERIMENT:

In this experiment, you are assigned to prepare a personal web site with HTML (Hyper Text Markup Language) and deploy it to your web space on web.cs.hacettepe.edu.tr/~b2*****. You have to define at least 3 pages with the minimum requirements below:

I. ***index.html*** : You will talk about yourself in this page. This is your home page. You must put your CV on this page in HTML and it must contain your photo. This CV must be downloadable as a PDF document. Your home page must also include your e-mail address as a “mailto” link.

II. ***myDep.html*** : In this page it is expected to supply information about your department and put your weekly schedule in a table on this page.

III. ***links.html*** : In this page it is expected to list some useful links (Hint: use A (anchor)tag). Your links must be opened on new tabs or windows.

All pages must contain a horizontal menu bar. A menu is a page selection part on web page for jumping to other pages. Furthermore, menu parts have menu items (e.g. Home, Contact). Traditionally, almost all web pages have a default **Home** button for redirecting the user to index.html page. Therefore, your menu items can be named as “Home”, “My Department”, “Links”

There are some obligations:

- Character encoding must be UTF-8.
- You must use <title>, author and description meta-tags .

A few hints for you:

- You can use CSS files to make your web page more attractive.
- You can use editors like FrontPage, Dreamweaver etc. to make your work easy.
- You can use notepad++ or AptEditLite for HTML editing
- You can use psftp to access your accounts.
- You can test your web page at browser window upon editing your html / css files or jsfiddle.net.

4. NOTES

- Don't miss the deadline.
- Save all your work until the assignment is graded.
- The assignment must be original, individual work. Duplicate or very similar assignments are both going to be considered as cheating.
- You can ask your questions via piazza (<https://piazza.com/hacettepe.edu.tr/fall2014/bbm103>) and you are supposed to be aware of everything discussed in piazza.
- You will submit your work from <https://submit.cs.hacettepe.edu.tr/index.php> with the file hierarchy as below:

```
|-- <student id>
    |----- index.html
    |----- *.html
    |----- *.css
    |----- *.pdf
    |----- *.jpg,*.jpeg
```

This file hierarchy must be zipped before submitted (Not .rar , only .zip files are supported by the system).

5. RESOURCES

- <http://en.wikipedia.org/wiki/HTML>
- <http://www.w3schools.com/html/>
- <http://www.submitcorner.com/Guide/Meta/author.shtml>
- <http://www.submitcorner.com/Guide/Meta/description.shtml>
- <http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html>
- <http://the.earth.li/~sgtatham/putty/0.52/html/doc/Chapter6.html>
- [Jsfiddle.net](http://jsfiddle.net)