# HTML – In-class exercise and Assignment (Not Graded)

In this activity, we will put into practice some of the ideas presented in this week’s lecture. We’ll also learn some new things along the way.

At the end of the activity, you will upload your work to the class server, the same way you did in the previous activity.

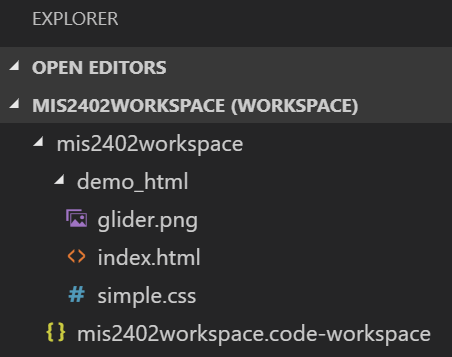
The text used in this exercise originated here: <http://www.catb.org/~esr/faqs/hacker-howto.html>

## Getting the project file

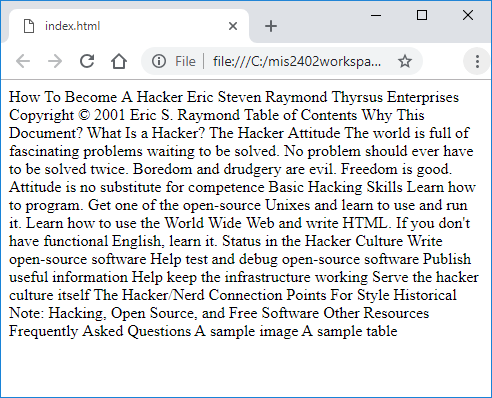
1. Using Windows File Explorer, open this folder: C:\mis2402workspace

(This folder will be already created on the computers in the classroom. However, if you are following along on your own computer, you will need to create this folder! See the “Introduction to VS Code” document for Windows or Mac OS.)

1. Your instructor will provide you with a zip file named: demo\_html.zip
2. Download this zip file and put it on your desktop.
3. Double click on the demo\_html.zip file. Drag the demo\_html folder in to C:\mis2402workspace
4. Now, open VS Code. Navigate to the demo\_html folder using the VS Code Explorer panel. You should find a file named index.html inside the demo\_html project folder.



1. Click on the index.html file. Notice the code editor panel that appears on the right. It holds only a tiny bit of HTML. If you use Visual Studio’s “Open in Browser” feature, the results will look like this:



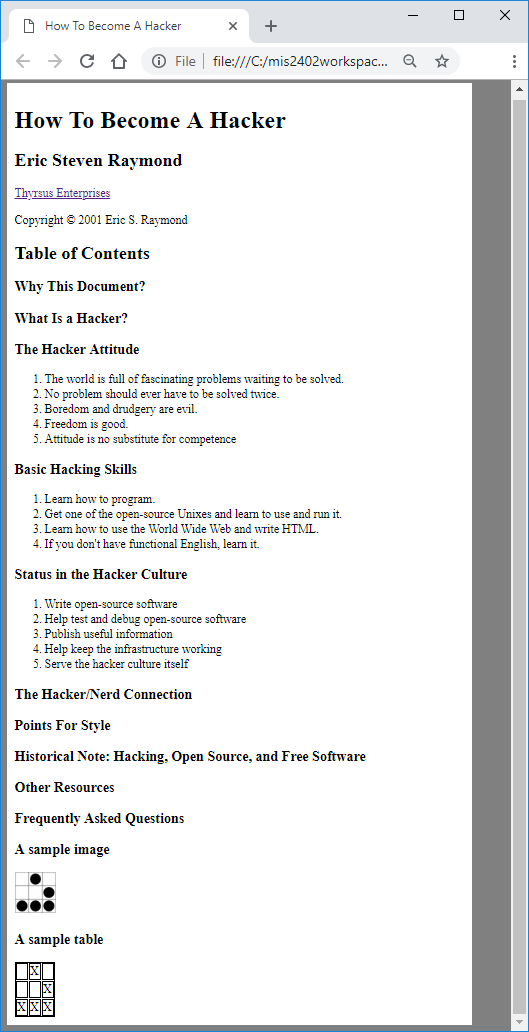
Not very impressive! We are going to add HTML tags to improve the structure of this content

1. Work on the HTML and CSS fixes as described in the following table.

|  |  |
| --- | --- |
| Task | Comments |
| Add a doc type declaration. | Here we are letting the browser know what version of HTML we are using. Insert a new line above the <html> tag and add the following:  <!doctype html>  This is a best practice! It informs the browser that we are using HTML5. |
| Give the page a title. | Inside the <head> tag add a title tag as follows:  <title>How To Become A Hacker</title>  Type it in! Get out of the habit now of copy / pasting text from Microsoft Word and other Microsoft products.  Save your work. Preview your work in the browser to see the change. |
| Add in heading tags. | In the body, put an <h1> tag around “How To Become a Hacker”  Put <h2> tags around “Eric Steven Raymond” and “Table of Contents”  Put a paragraph tag <p> tag around the copyright notice. |
| Add an anchor tag. | Put an anchor tag <a> around “Thyrsus Enterprises”. When you click it, it should go to http://www.catb.org/esr/ |
| Check your work. |  |
| More heading tags | Add <h3> tags around: “Why This Document?”, “What Is a Hacker?”, “The Hacker Attitude”, “Basic Hacking Skills”, “Status in the Hacker Culture”, “The Hacker/Nerd Connection”, “Points For Style”, “Historical Note: Hacking, Open Source, and Free Software”, “Other Resources”, “Frequently Asked Questions”, “A sample image”, “A sample table” |
| Add in ordered list tags. | Add in <ol> and <li> tags to make lists as shown below. |
| Add an image. | Use the following to add an image to the page under “A sample image”  <img src="glider.png" alt="The Glider Emblem"> |
| Go back to the <head> tag. Add a <link> to the simple.css style page. | The css style page can be used to control the appearance of the page.  <link rel="stylesheet" href="simple.css"> |
| In the <body> tag, create a <div> tag that will encapsulate all the content.   Give the <div> tag a class attribute of “content”. | Your HTML code should look like this:  <body>  <div class="content">  …  </div>  </body>  <html> |
| Now that you have this div tag, and a linked style sheet, we can add a style to simple.css | This is the new and improved code for simple.css  table, th, td {  border: 1px solid black;  }  .content{  background-color: white;  width: 600px;  padding: 10px;  }  body{  background-color: gray;  }  Your instructor will review this in class! |
| Finally, add an HTML table. | Use the <table> <tr> and <td> tags to add an HTML table under “A sample table”. The resulting table should look like this: |

## Check your work

The next page contains a screenshot of what your work should look like if everything has been done correctly.



## Upload your work

Now use Bitvise to upload your work to the class server. Use the same process that we covered last class.

Be sure that you can find your work on the class server by typing in its URL in the browser. For example: <https://misdemo.temple.edu/tuh54321/demo_html>

## On your own…

You are ***not*** done!

Now that you have gotten some exposure to Visual Studio code and HTML, you should be better equipped to follow along with the assigned Lynda Videos. This is much more instructive than passively watching them. Between now and next class, be sure to watch the videos assigned by your instructor and follow along, editing the code in Visual Studio Code, and previewing your work.

Your instructor will provide you with:

1. A list of video segments to watch
2. A zip file containing all the files / folders relate to the video

This assignment is not graded. But you should do it anyway. It’s good practice. You will absolutely need this information later in the course.