

CMPS 2680 Lab 1

Spring 2024

Part 1 - Odin Access & Setup (Walkthrough in class)

All assignments will be uploaded to our Odin Linux server.

Your first step will be to log in to Odin and change your password:

1. Open the terminal application on your computer
 - a. On a Linux & Mac machines, the program should just be called "Terminal"
 - b. On Windows I would recommend using PowerShell
 - c. (Advanced) You can also install WSL for windows
2. Once the terminal is open type:
`ssh <username>@odin.cs.csub.edu`
3. When prompted, enter your password
4. Once you are logged in, it is HIGHLY recommended that you change your password by typing:
`passwd`

Once your password as been changed, you have two options for completing assignments

Option 1 (Recommended for Computer Science and Engineering students)

1. To familiarize yourself with the linux environment, review the tutorials and labs found here:
<https://cs.csub.edu/~paul/linux/>
2. Complete your work directly from the Odin server using VIM

Option 2

1. Write your code using the text editor of your choice on your local machine or VM
2. Upload your completed files to Odin using an FTP client
 - a. If you are using the lab VMs Filezilla is already installed.
 - b. To connect, fill out the quick connect bar at the top. The Host should be:
`cs.csub.edu`
 - c. You will see a local file browser on the left, and a server browser on the right.
 - d. You can simply drag your completed assignment files from one browser to the other.

Part 2

1. Navigate to your public_html folder on the odin
2. Create a folder called cs2680
3. Inside of your cs2680 create or upload a file called lab1.html using one of the options mentioned above
4. Type the following code in your lab1.html file:

```
<!DOCTYPE html>
<html lang='en'>
  <head>
    <meta charset='utf-8'>
    <title>Lab 1</title>
  </head>
  <body>
    <h1>Lab 1 - John Doe </h1>
    <p>This is my first web page for CS2680.</p>
  </body>
</html>
```

5. Replace "John Doe" with your name

More Info About Your public_html Folder

1. Your public_html folder is linked to the following url on the internet:

<https://cs.csub.edu/~username> (where username is YOUR odin user name)

So if your username is jsmith, you would go to:

<https://cs.csub.edu/~jsmith>

2. Any browser will work for viewing your websites, but keep in mind that I will be using a Chrome based browser in class for any examples. So things may not always look or work exactly the same if you are using a different browser.
3. If you are unable to see your files or websites in the browser, make sure that you have set the proper permissions on your public_html folder to 755 on Odin. You can do this by running the following command from your home folder:

```
chmod 755 public_html
```
4. You can also set permissions in filezilla by right-clicking on the folder and selecting "File Permissions..."

When you open your webpage in the browser it should look like this:

Lab 1 - Paul Royer

This is my first web page for CS2680.