Testing on the server

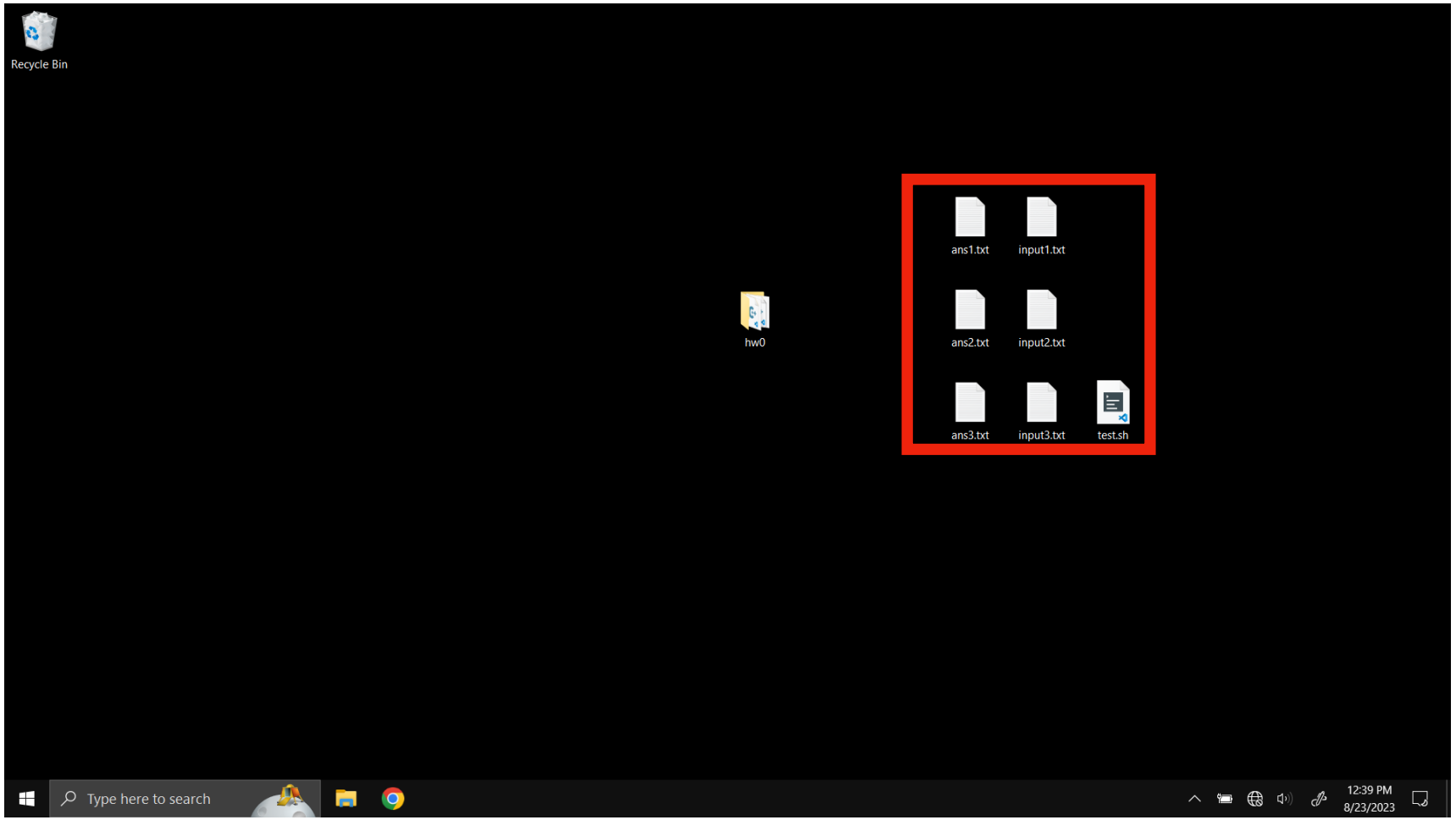
for ALL users

Sandy Pham - 2023

This step comes after you successfully uploaded your main.cpp and ArgumentManager.h files to the server

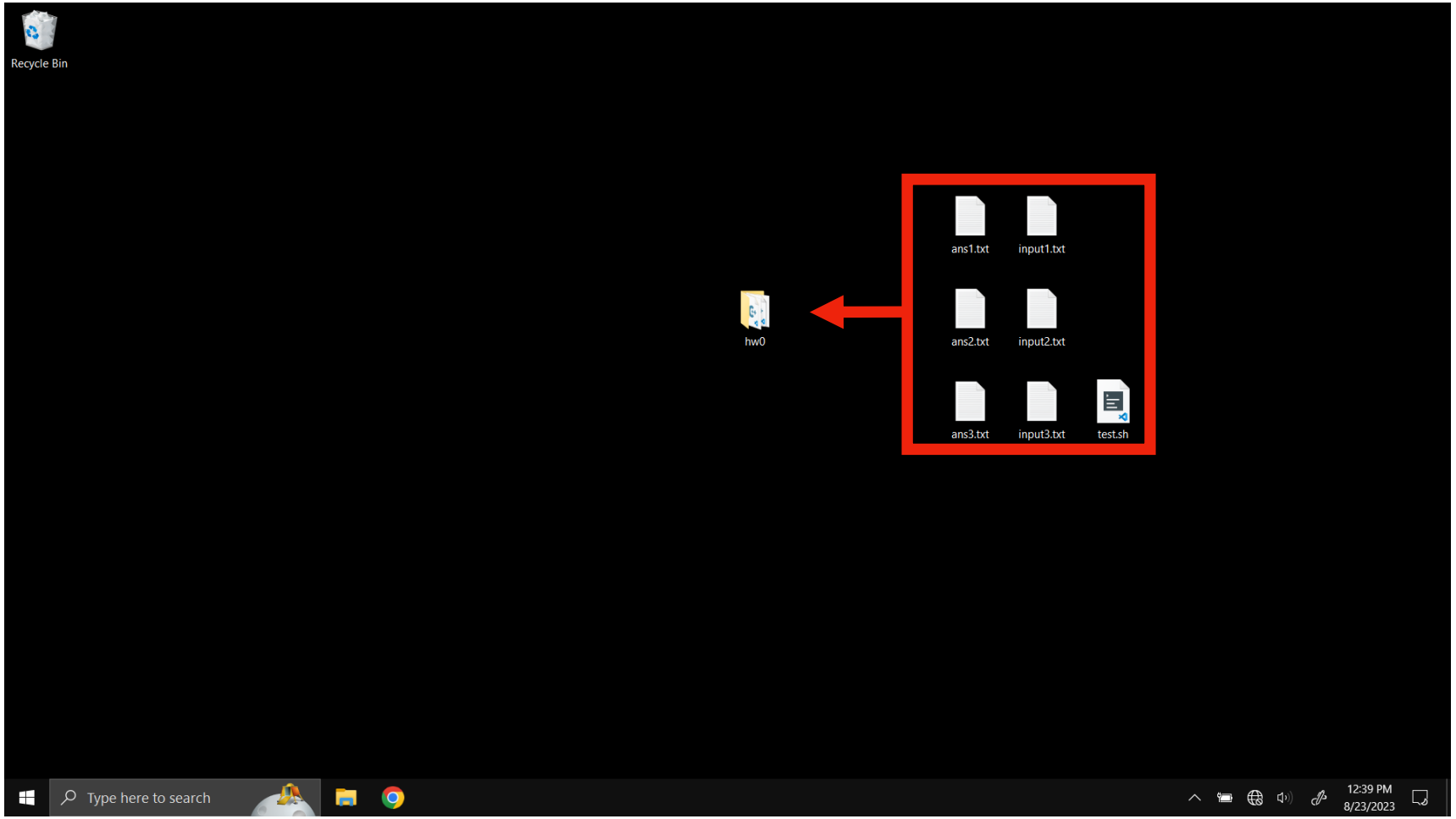
Step 1

Get your ans files, input files and test.sh file ready to copy to the server



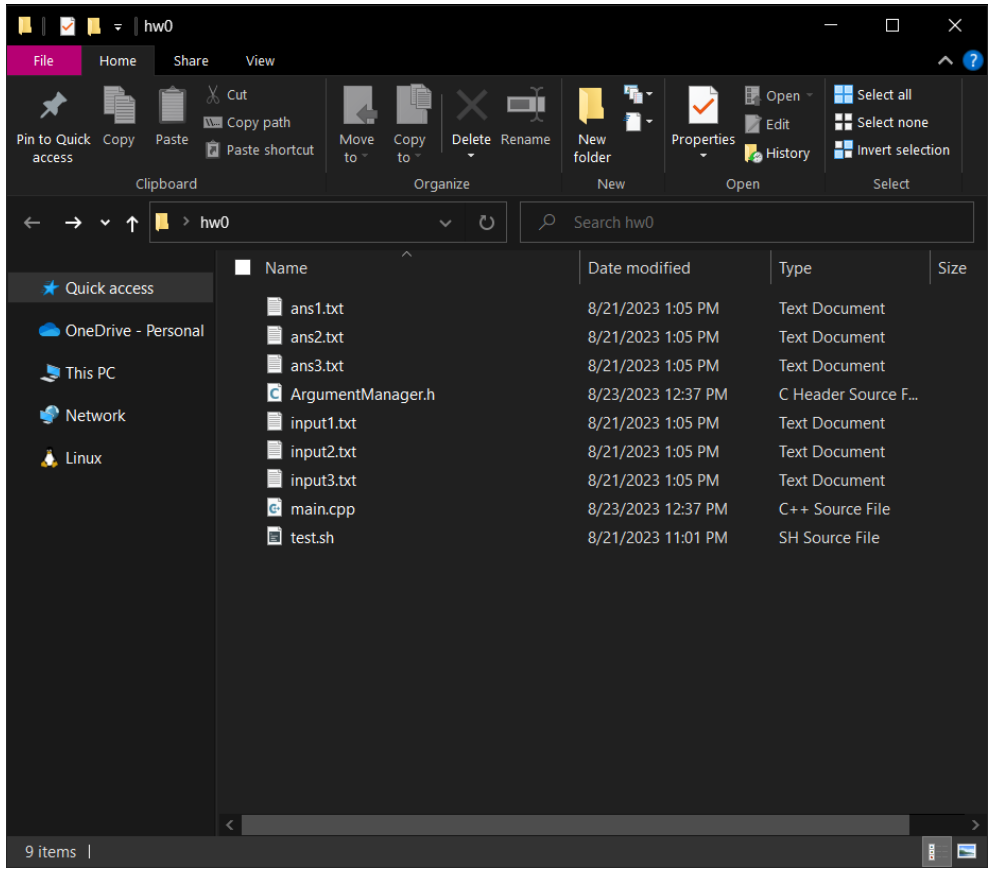
Step 2

Drag and drop your ans files, input files and test.sh file into the hw0 folder



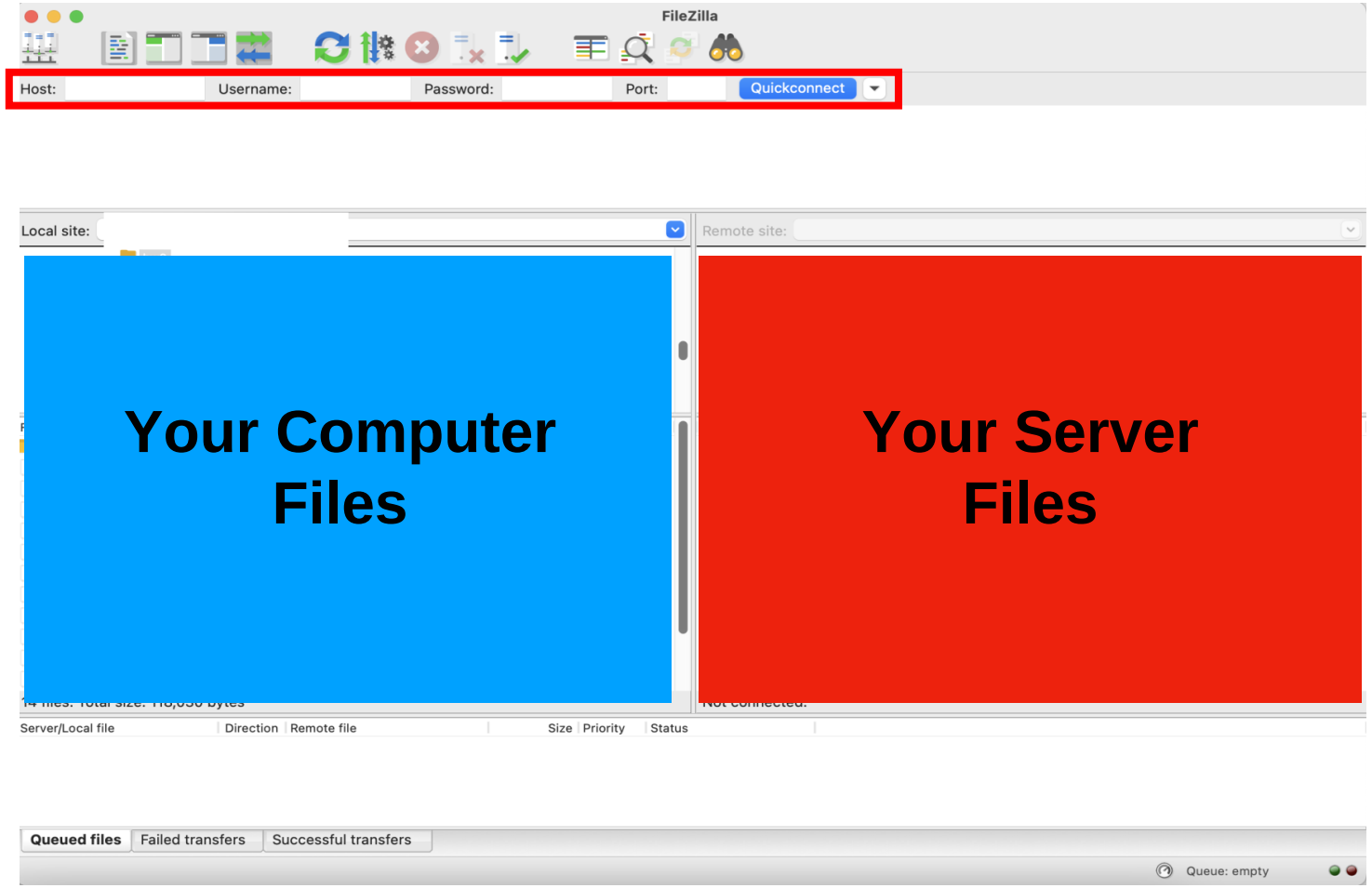
Our files are now in the hw0 folder and are ready to be put on the server via FileZilla.

You should have FileZilla installed after completing the “Uploading to the server” guide. If not, refer to it before continuing.



Step 3

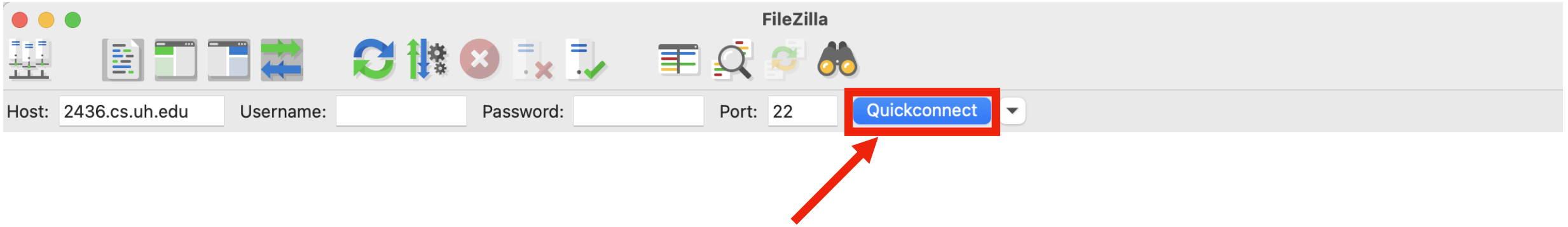
Open FileZilla and connect to the server



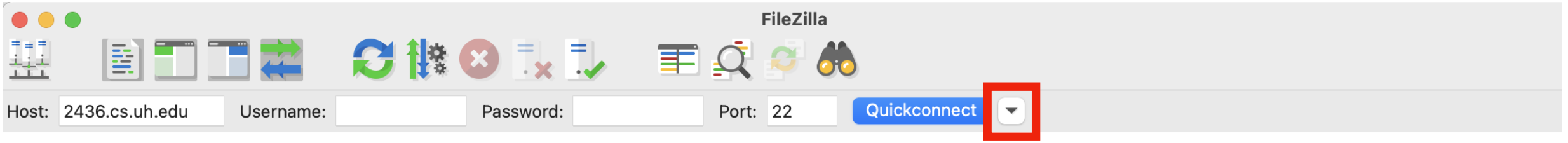
To connect to the server, enter the following in the fields:

- Host: 2436.cs.uh.edu
- Username: your server username
- Password: your server password
- Port: 22

Then click “Quickconnect”

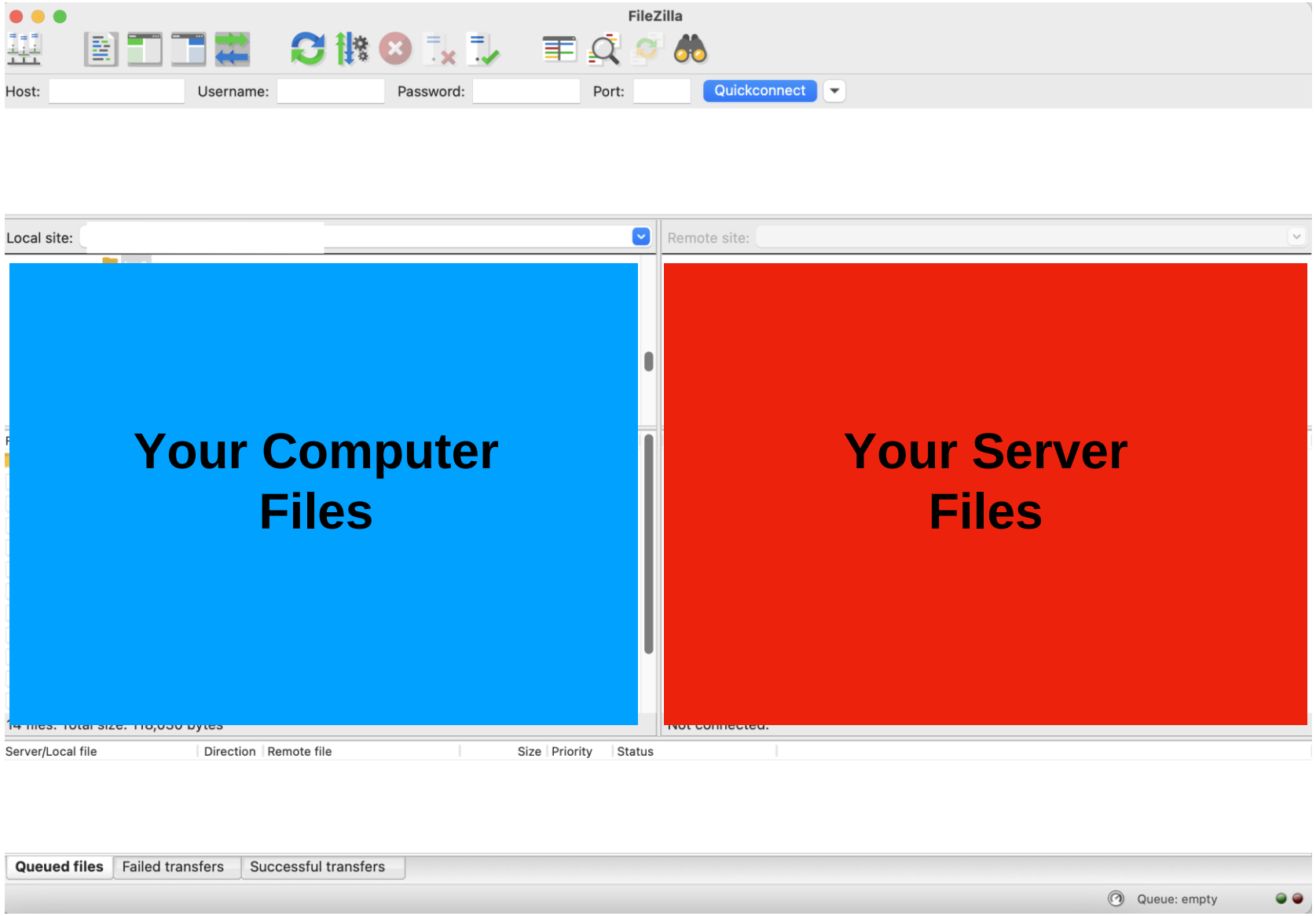


You should also be able to reconnect to the previous login session using the drop down menu next to the “Quickconnect” button



Remember:

- **The left side of the screen is the files on your computer**
- **The right side of the screen will show the files on the server (once you get connected to the server)**

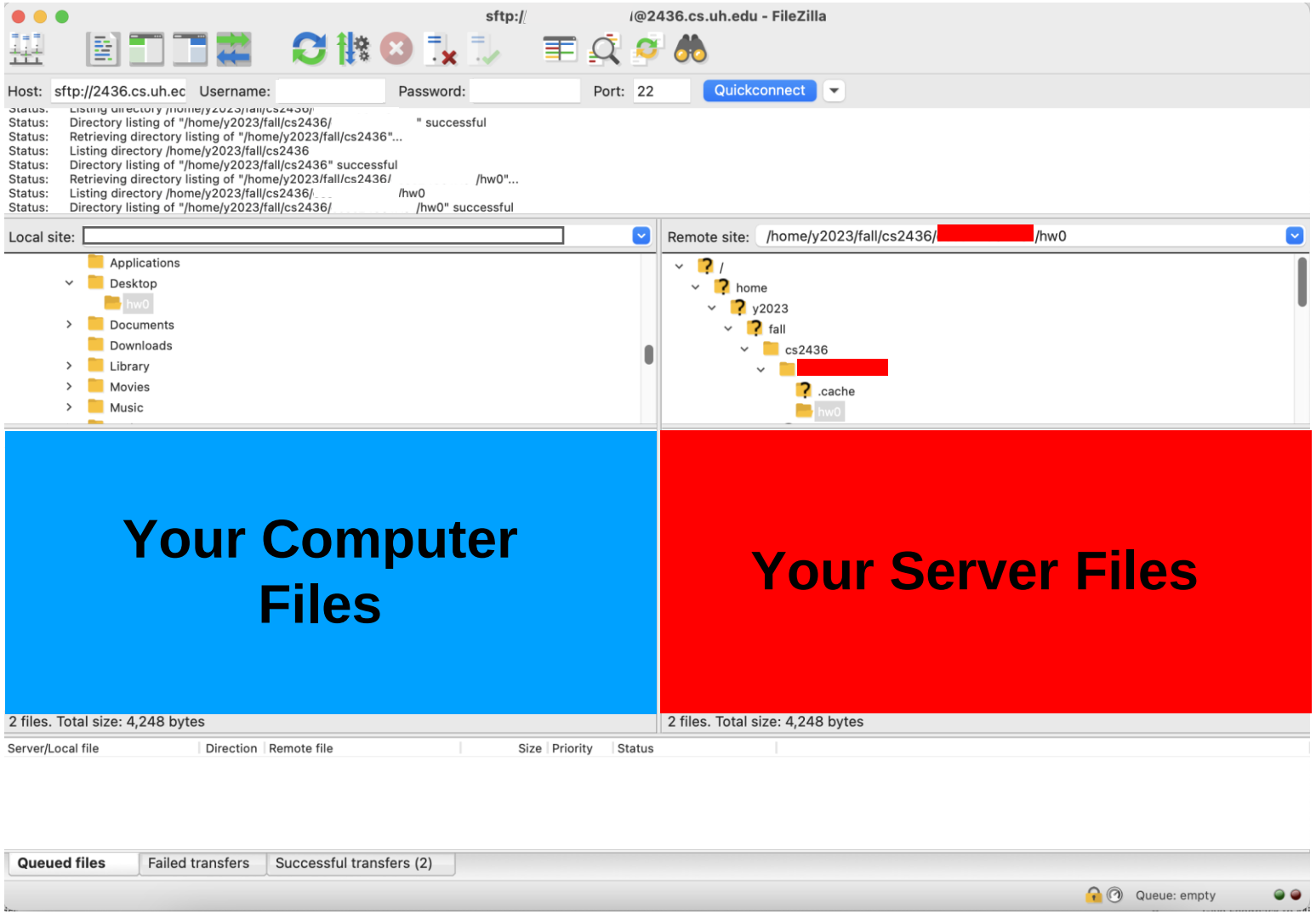


Step 4

Once connected,

Go to your hw0 folder on your computer side

Go to your hw0 folder on the server side

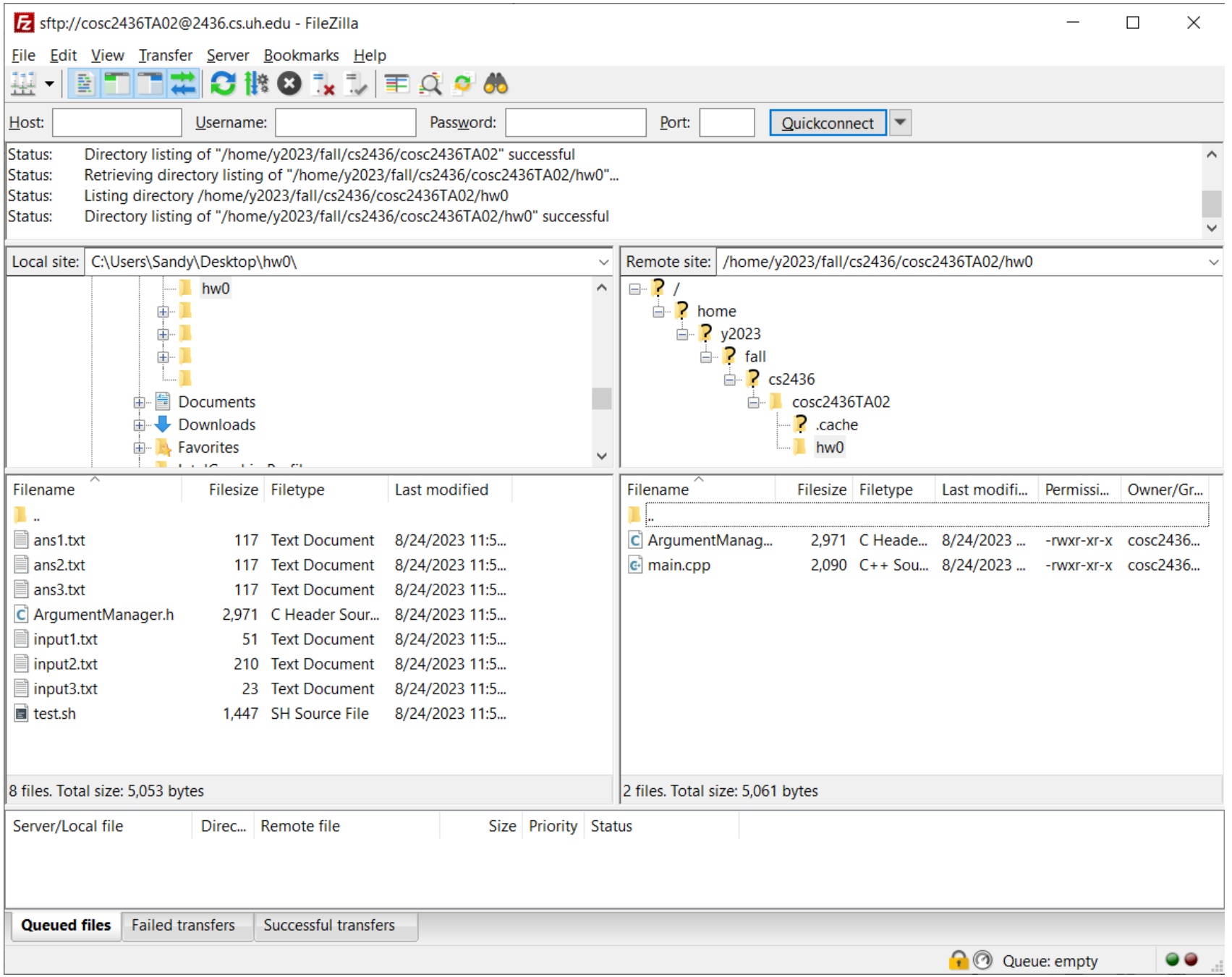


Step 5

There's a difference in number of files.

Copy over the missing files by dragging and drop from the left side to the right side.

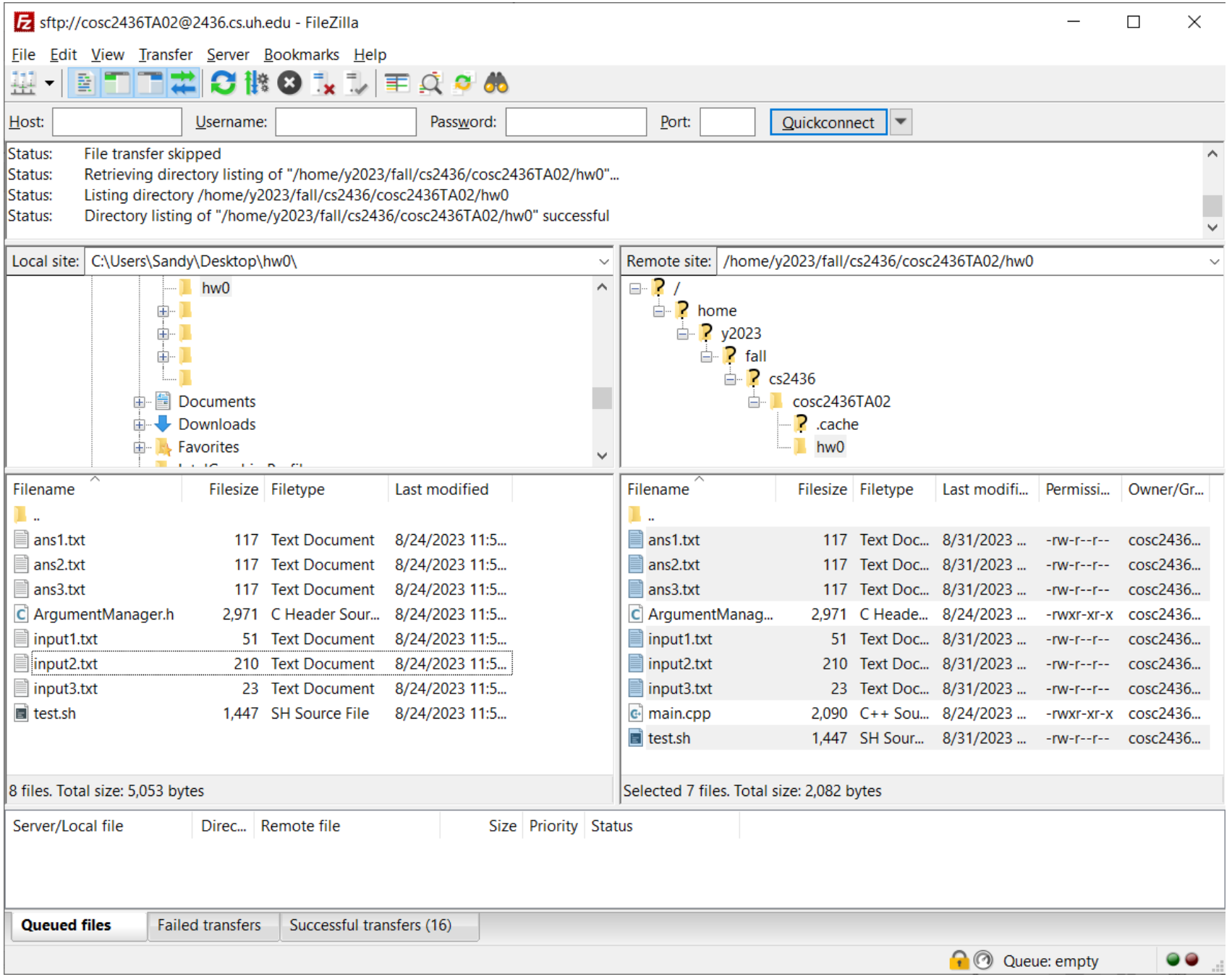
Note: If you accidently copy over files of the same name, it will have a pop-up for you to choose "overwrite" or "skip" those files



Step 6

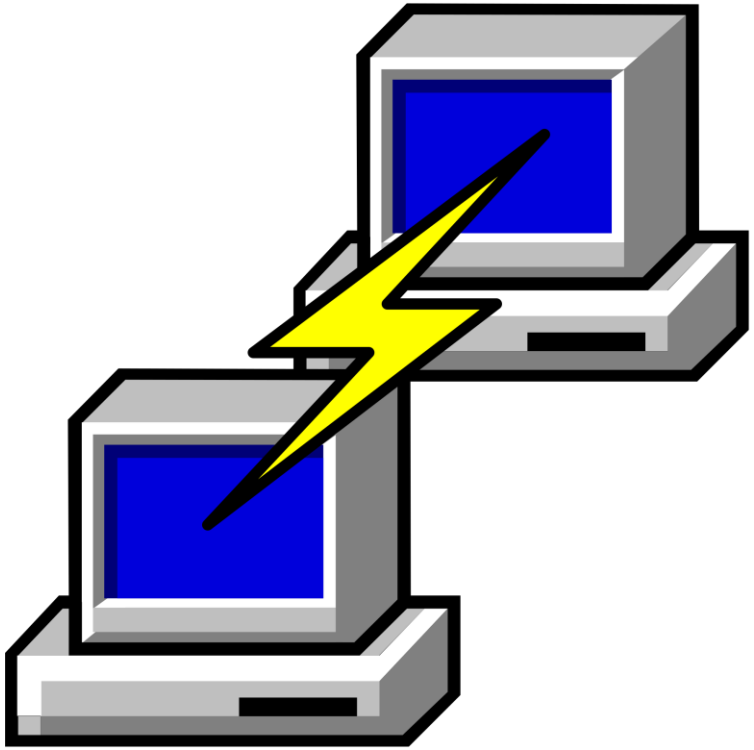
We can now see that our computer side and server side is the same.

Next, we will use our terminal to TEST our solution.



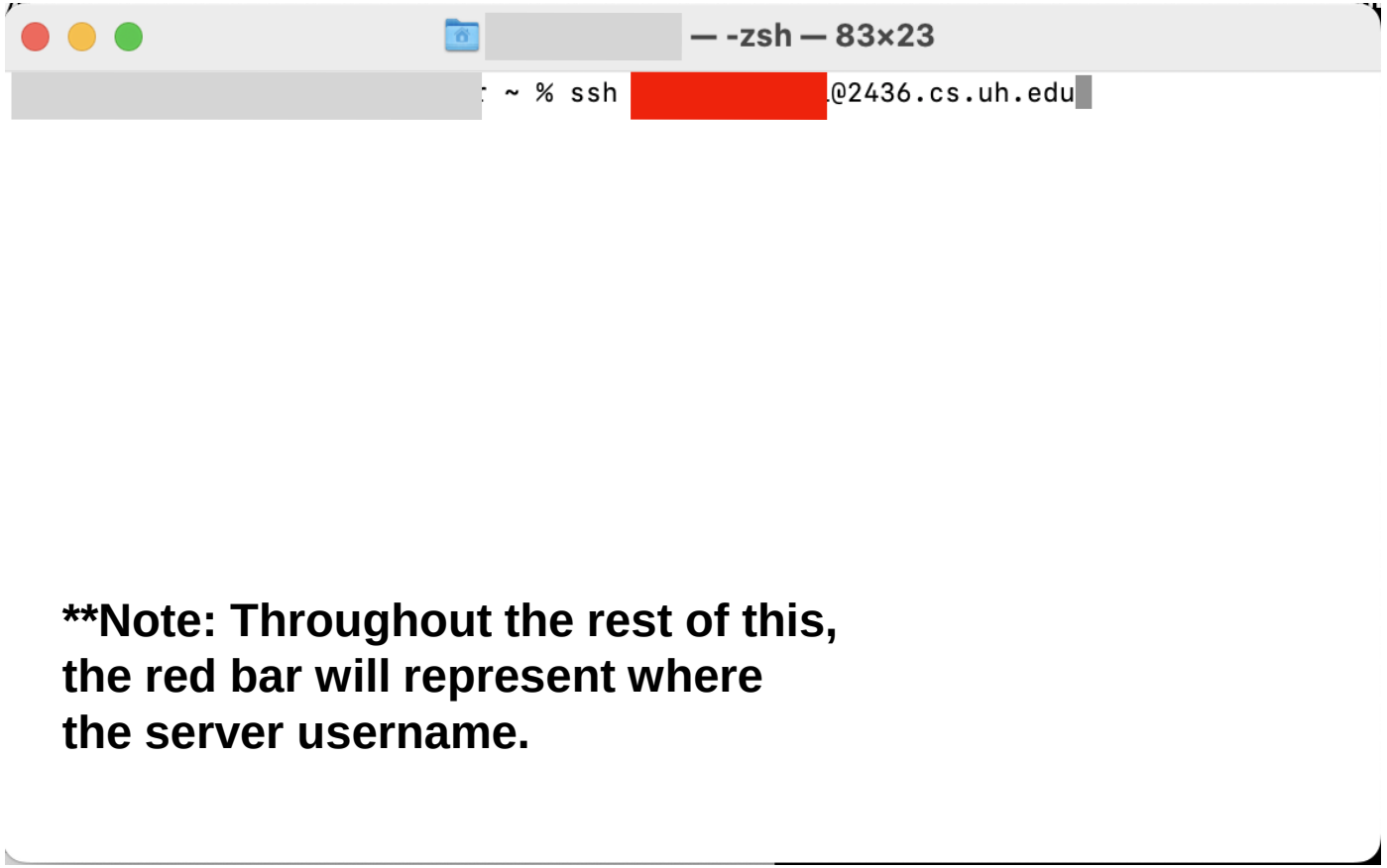
Step 7: Open Terminal Application

- **For Windows, use Putty**
- **For Mac, use Terminal**



Step 8: Mac Users

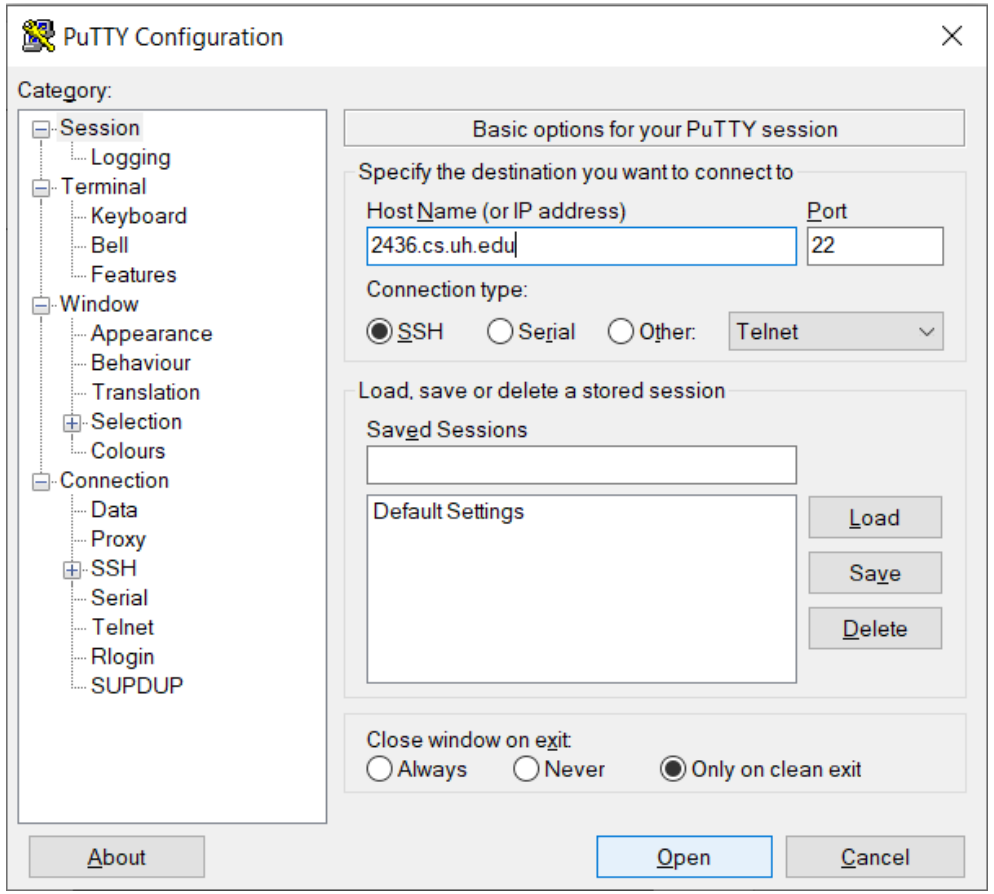
- Open Terminal
- ssh username@2436.cs.uh.edu then hit enter
- type in your password (it will not show as you type)



**Note: Throughout the rest of this, the red bar will represent where the server username.

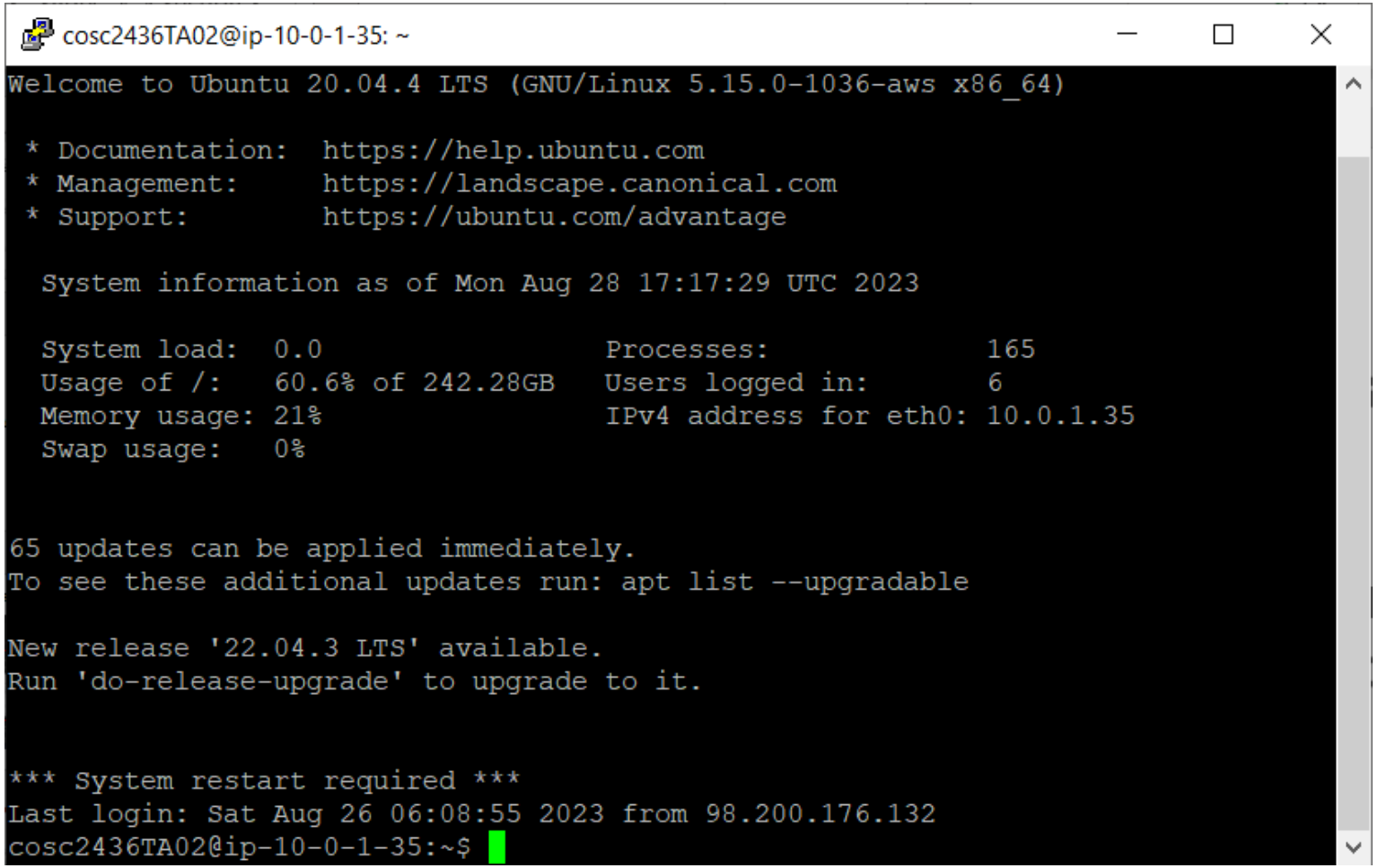
Step 8: Window Users

- **Open Putty and type 2436.cs.uh.edu for the hostname**
- **Enter your username**
- **Type in your password (it will not show as you type)**



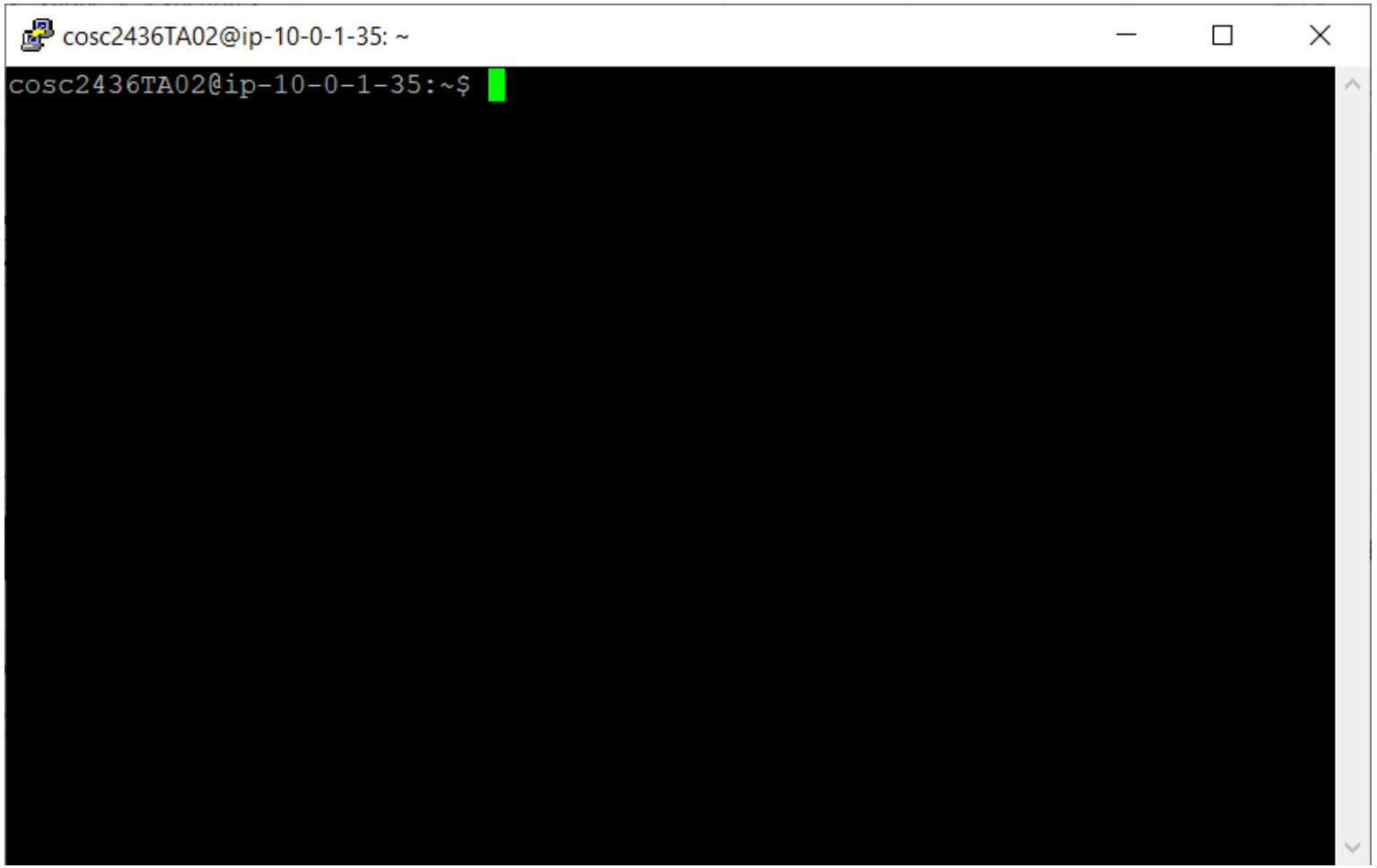
Step 9

Once you've logged in, your screen should something like this.



Step 10

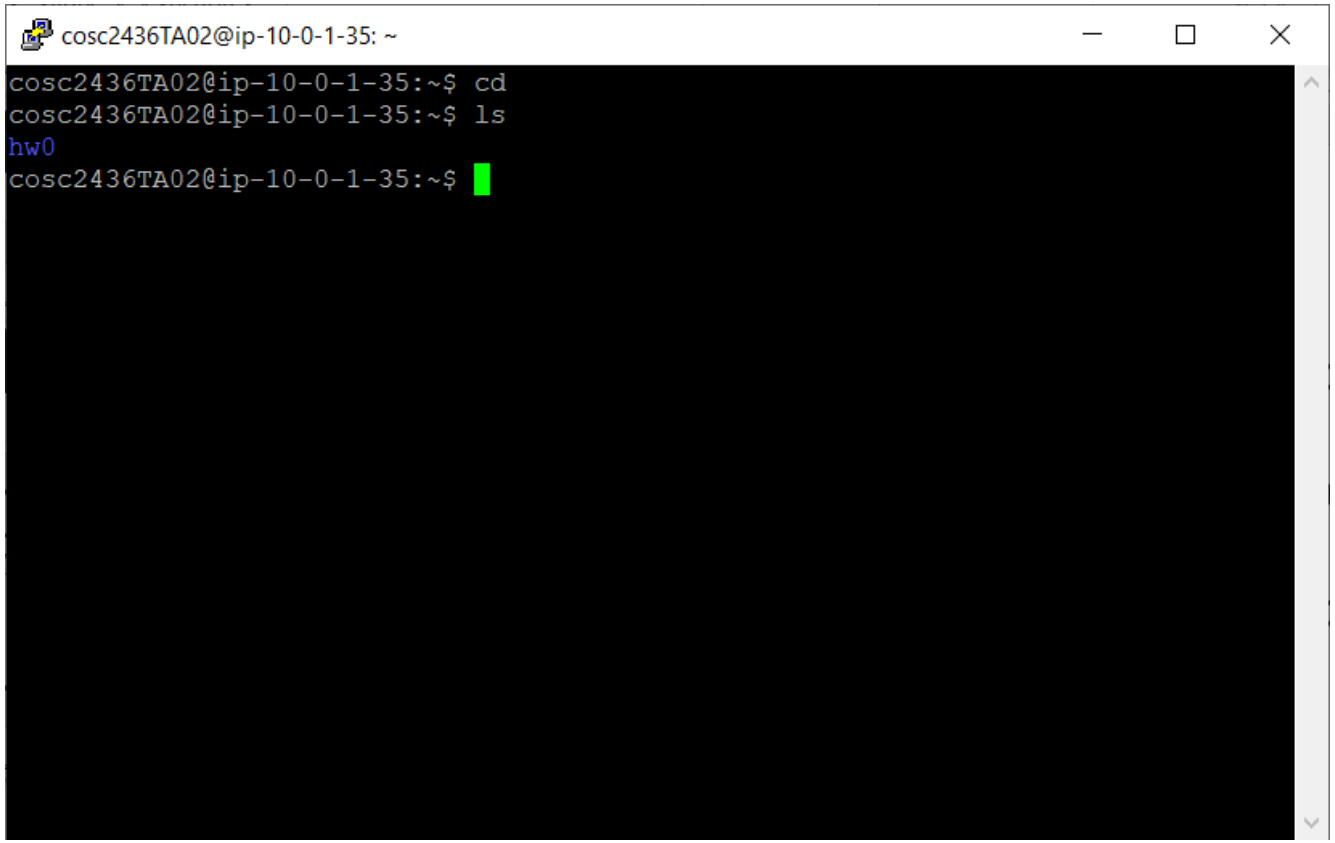
Enter the command “clear” to clear the screen.



Step 11

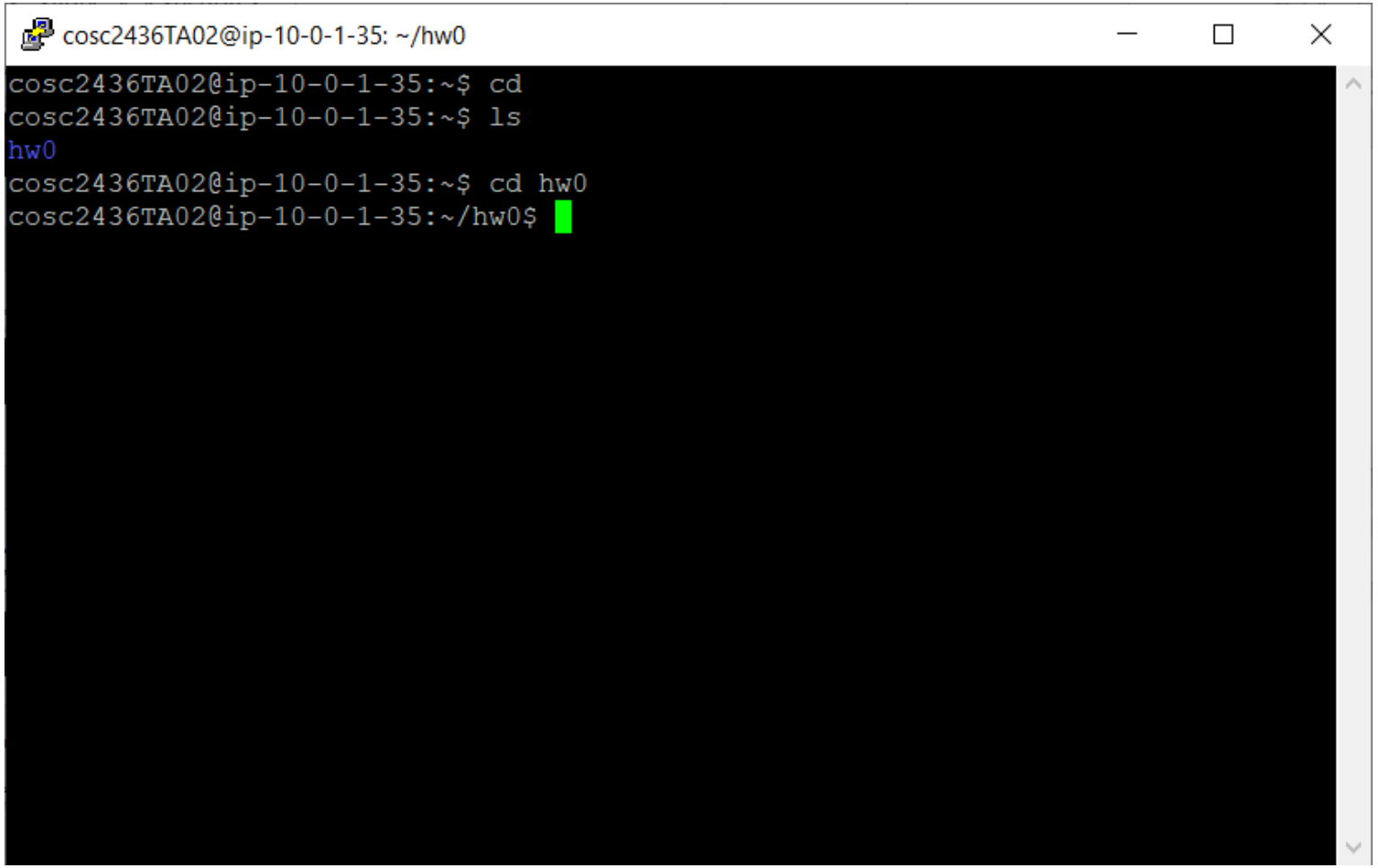
1. Enter “cd” to navigate to the root directory
2. Enter “ls” to see a list of folders/files in the root directory.

**Note: The root directory is the home folder. The path should end with your username.



Step 12

Then enter the command “cd hw0” to go into the hw0 folder



Step 13: TEST your files

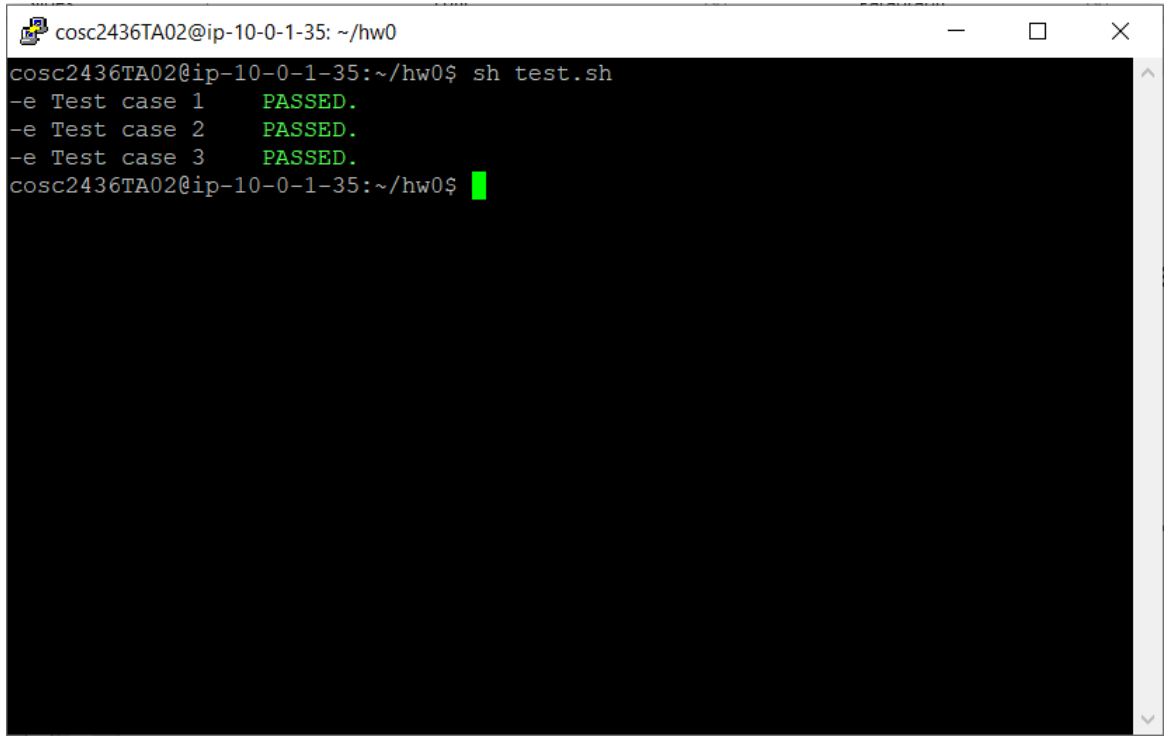
Enter the command “sh test.sh” or the equivalent “./test.sh” to run the test script.

You should either see:

1. **3 green PASSED**
2. **Some test cases as FAILED**
3. **Error messages**

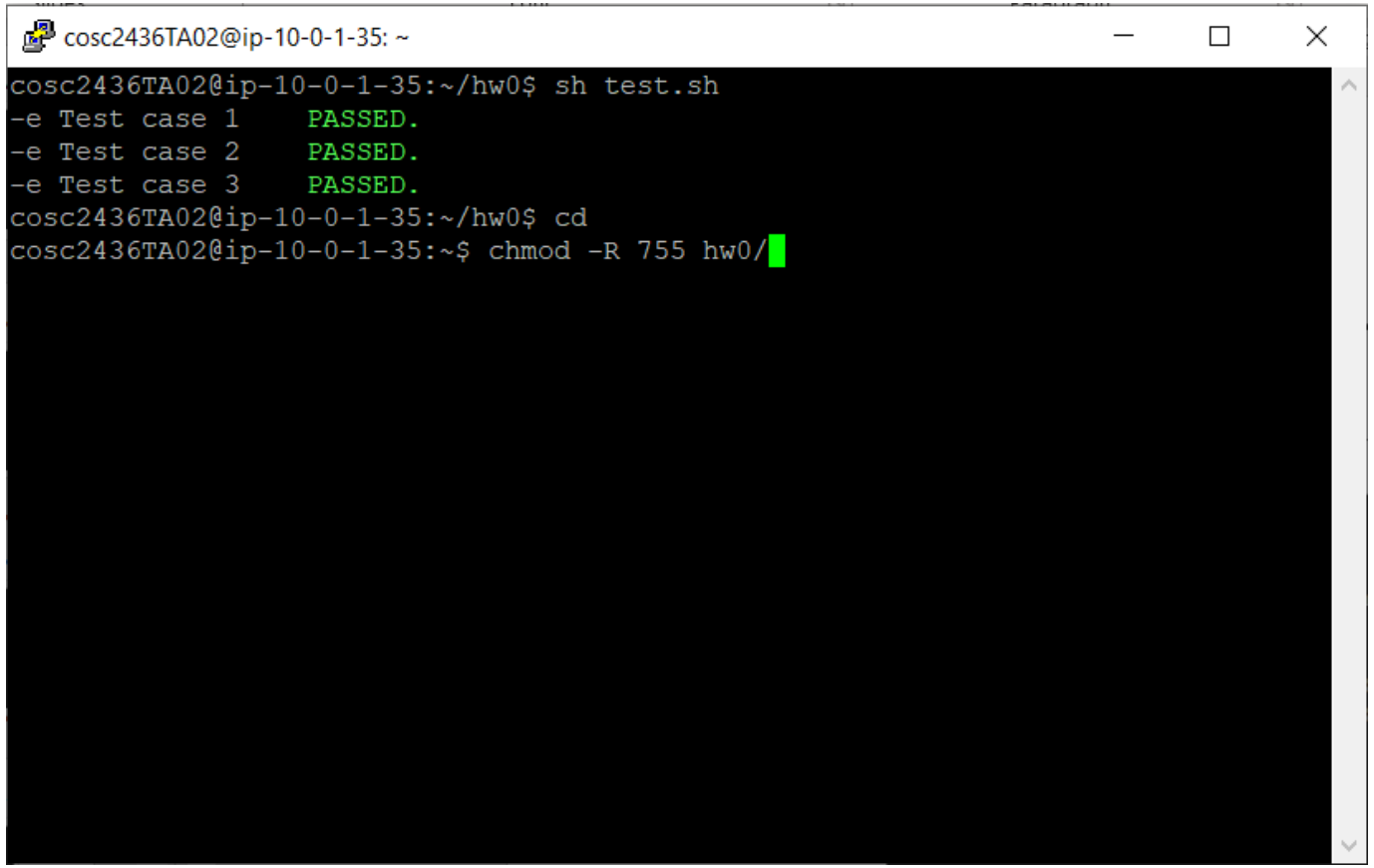
If it wasn’t the first option, STOP and fix your solution .cpp files and reupload to the server.

Else, continue to the step



Step 14: Change the permissions

Enter the command “cd” and then “chmod –R 755 hw0/” to ensure everything has the correct permissions for grading.



Now you're finished! Log out and enjoy your day ☺

You can exit your terminal now.