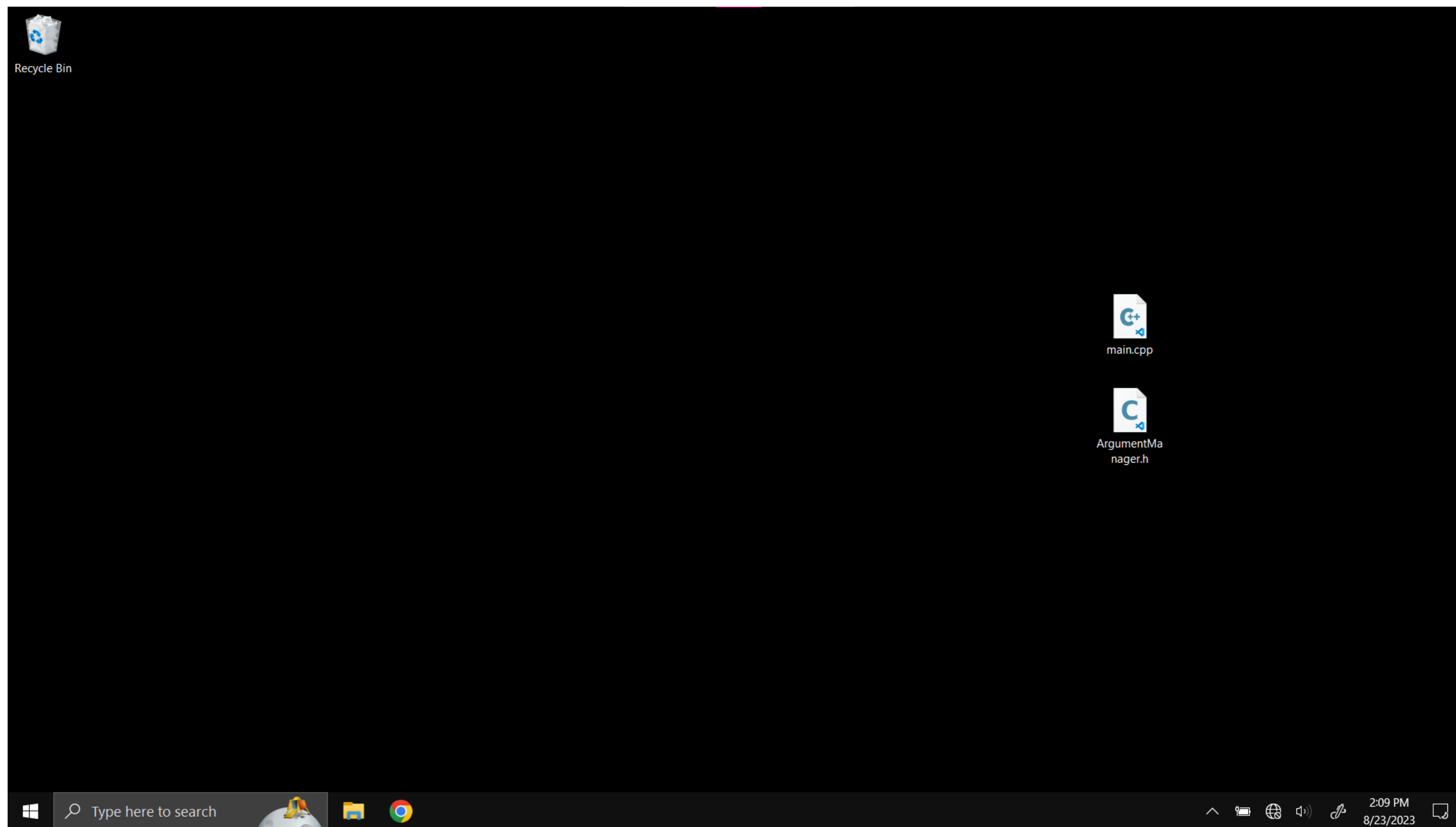


Uploading to the server

for Windows users

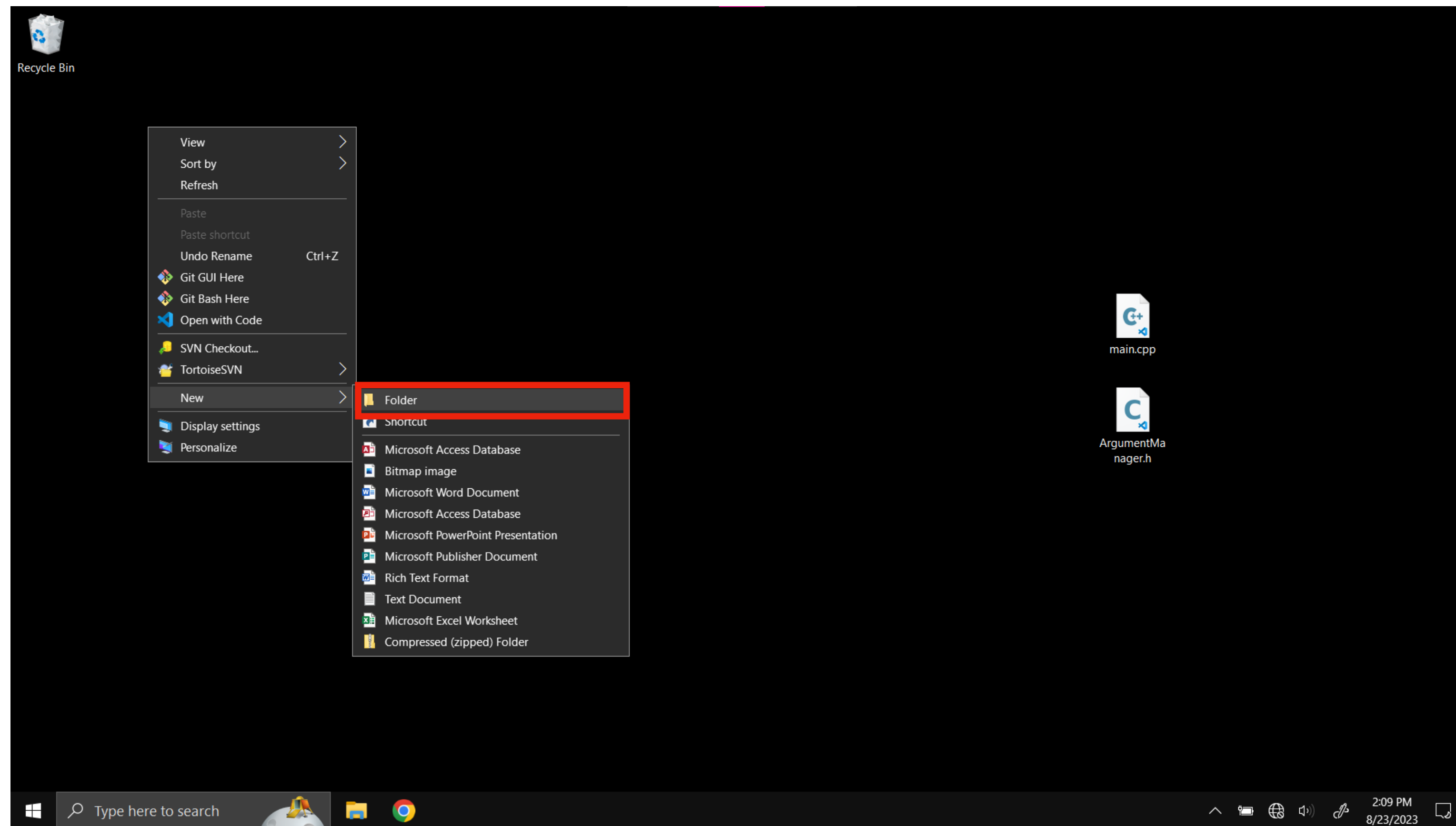
Step 1

Get your main.cpp file and ArgumentManager.h file ready to copy to the server



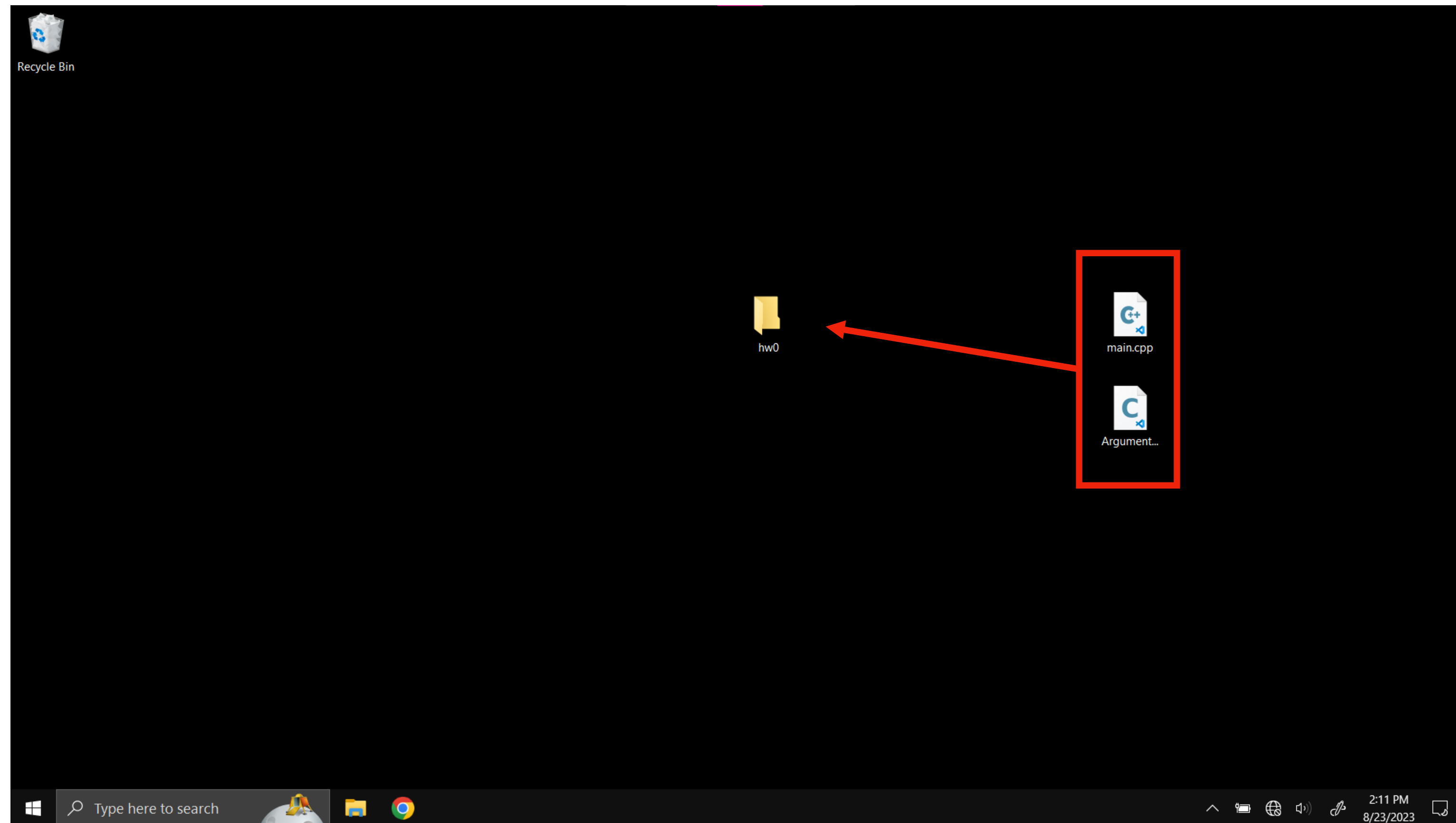
Step 2

Create a new folder named “hw0” on your Desktop



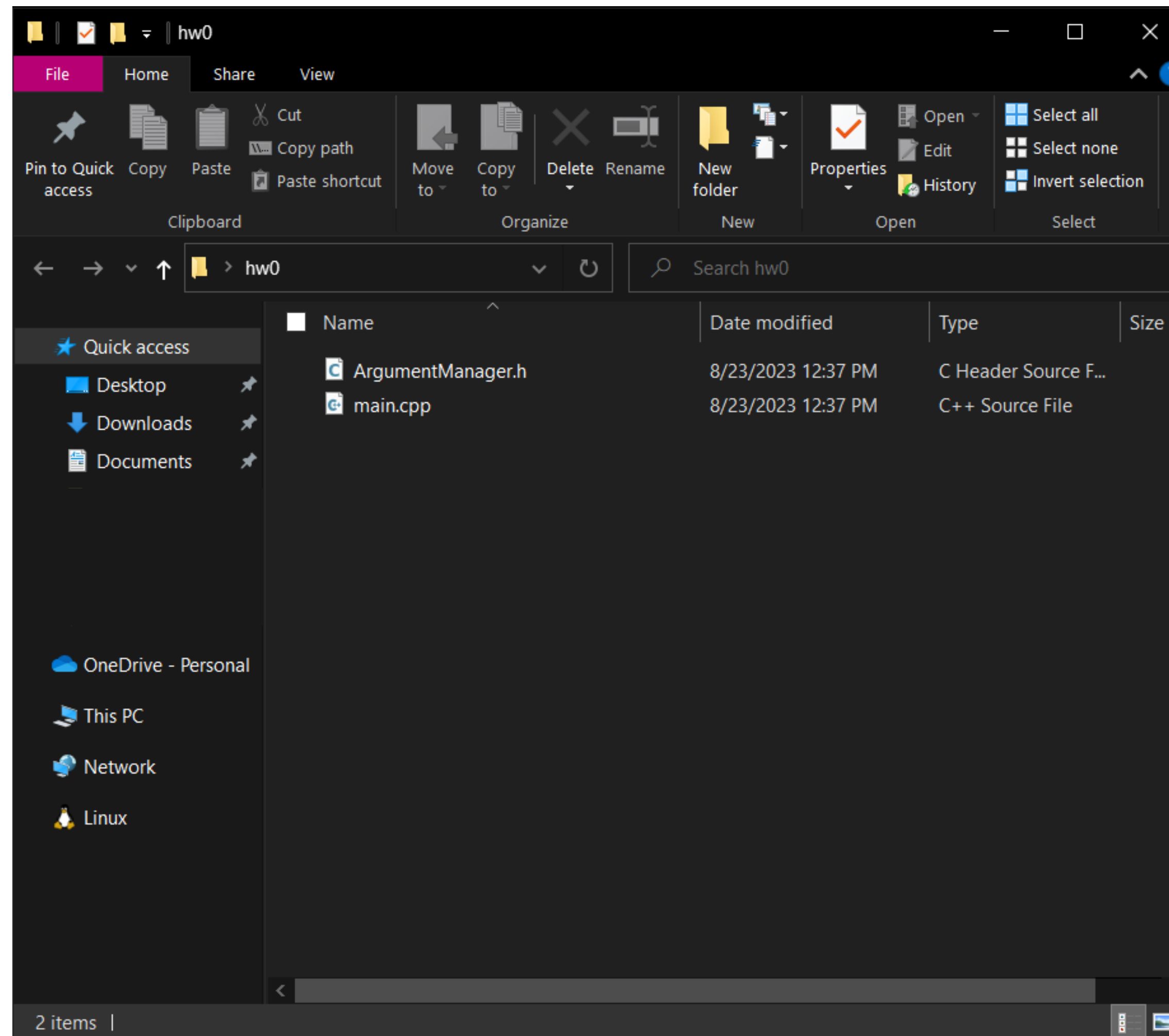
Step 3

Drag and drop your main.cpp and the ArgumentManager.h files into the hw0 folder



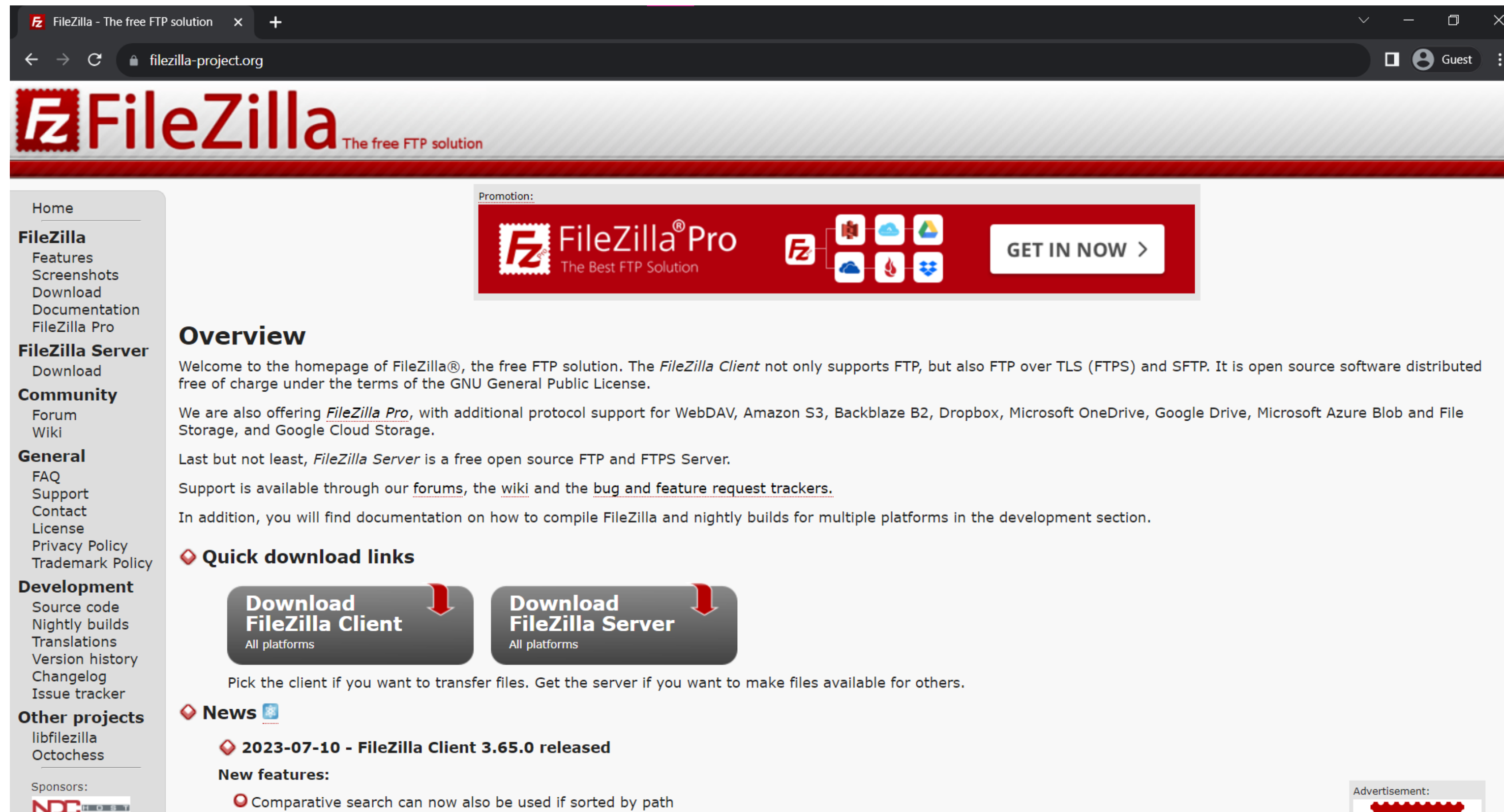
Our files are now in the hw0 folder and are ready to be put on the server.

The next steps will cover how to install FileZilla, if you already have it installed you can skip to Step 14.



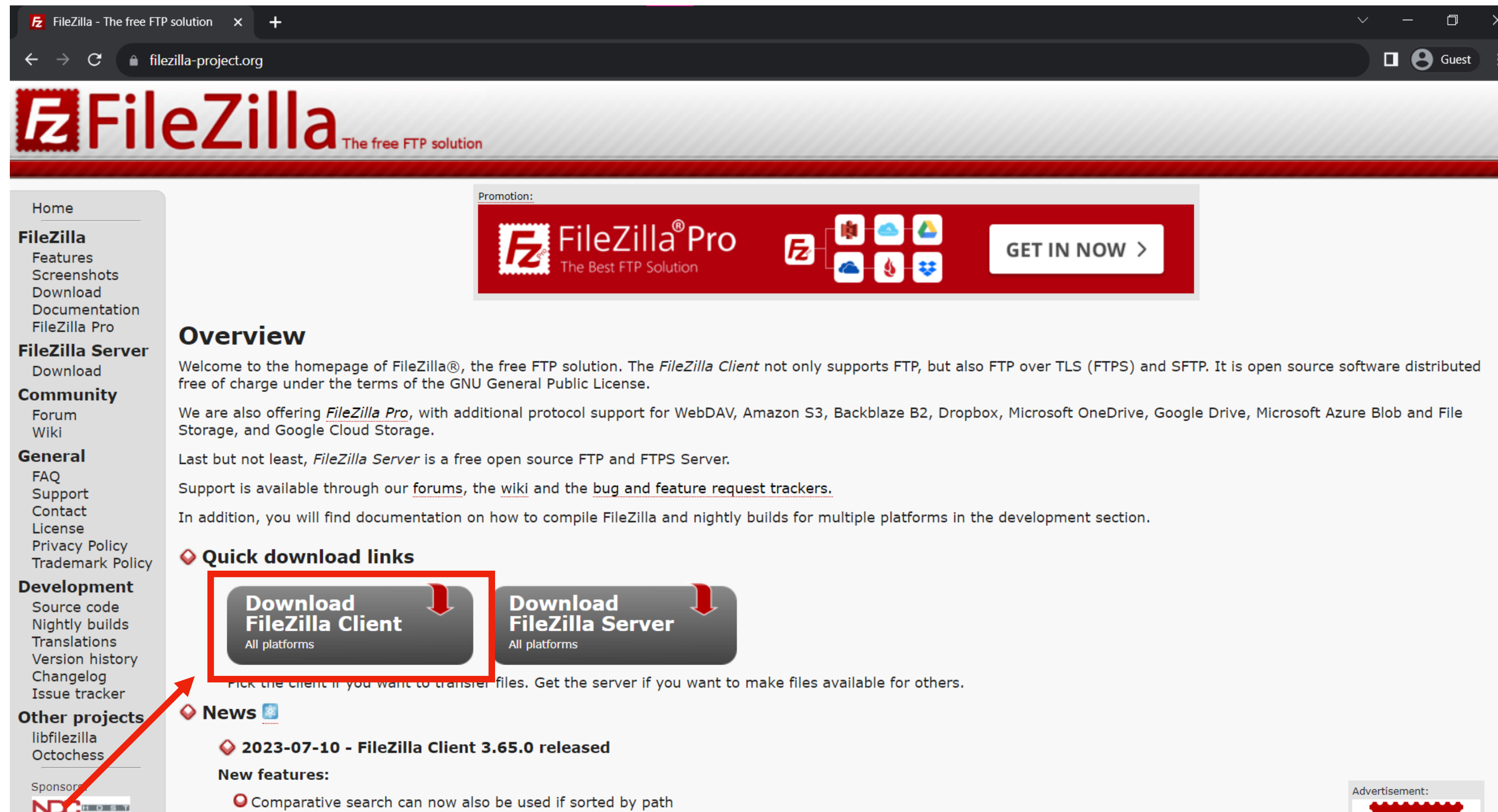
Step 4

Go to <https://filezilla-project.org/>



Step 5

Click “Download FileZilla Client”



Step 6

Click “Windows Download FileZilla Client”

Download FileZilla Client for Win x

filezilla-project.org/download.php?type=client

Guest

FileZilla

The free FTP solution

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Download FileZilla Client for Windows (64bit x86)

The latest stable version of FileZilla Client is 3.65.0

Please select the file appropriate for your platform below.




Windows (64bit x86)

Download FileZilla Client

This installer may include bundled offers. Check below for more options.

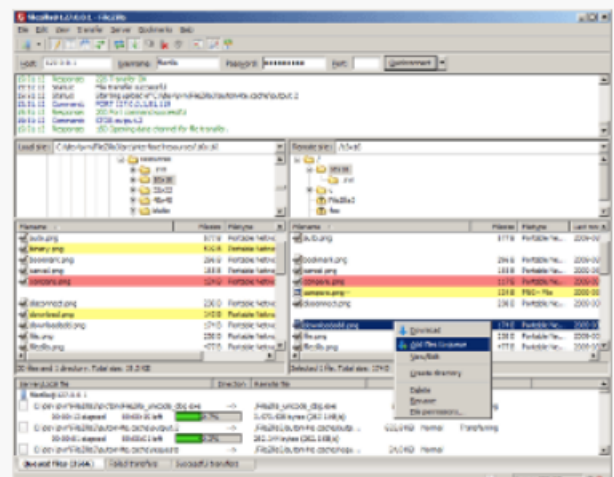
The 64bit versions of Windows 8.1, 10 and 11 are supported.

More download options

Other platforms:   

Not what you are looking for?

[Show additional download options](#)



Step 7

Click the “Download” button under the “FileZilla” column

Download FileZilla Client for Win

filezilla-project.org/download.php?type=client

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Download FileZilla Client

The latest stable version of FileZilla Client is available for download.

Please select the file application you want to download.

Windows (64bit x86_64)

Download FileZilla Client

This installer may include additional software.

The 64bit versions of FileZilla Client are available for download.

More download options

Other platforms:

Not what you are looking for?

Show additional download options

Please select your edition of FileZilla Client

	FileZilla	FileZilla with manual	FileZilla Pro	FileZilla Pro + CLI
Standard FTP	Yes	Yes	Yes	Yes
FTP over TLS	Yes	Yes	Yes	Yes
SFTP	Yes	Yes	Yes	Yes
Comprehensive PDF manual	-	Yes	Yes	Yes
Amazon S3	-	-	Yes	Yes
Backblaze B2	-	-	Yes	Yes
Dropbox	-	-	Yes	Yes
Microsoft OneDrive	-	-	Yes	Yes
Google Drive	-	-	Yes	Yes
Google Cloud Storage	-	-	Yes	Yes
Microsoft Azure Blob + File Storage	-	-	Yes	Yes
WebDAV	-	-	Yes	Yes
OpenStack Swift	-	-	Yes	Yes
Box	-	-	Yes	Yes
Site Manager synchronization	-	-	Yes	Yes
Command-line interface	-	-	-	Yes
Batch transfers	-	-	-	Yes

Download

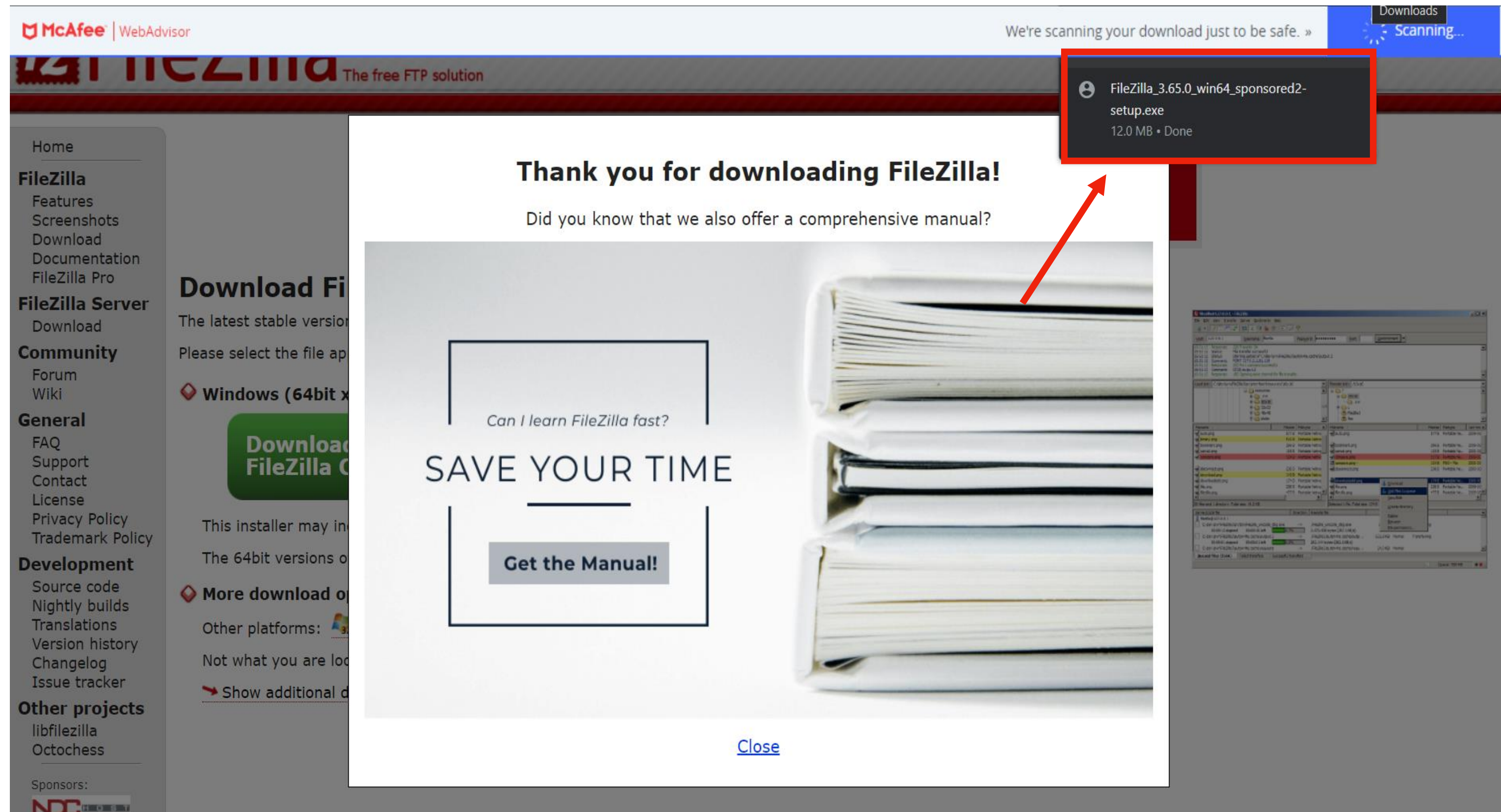
Select

Select

Select

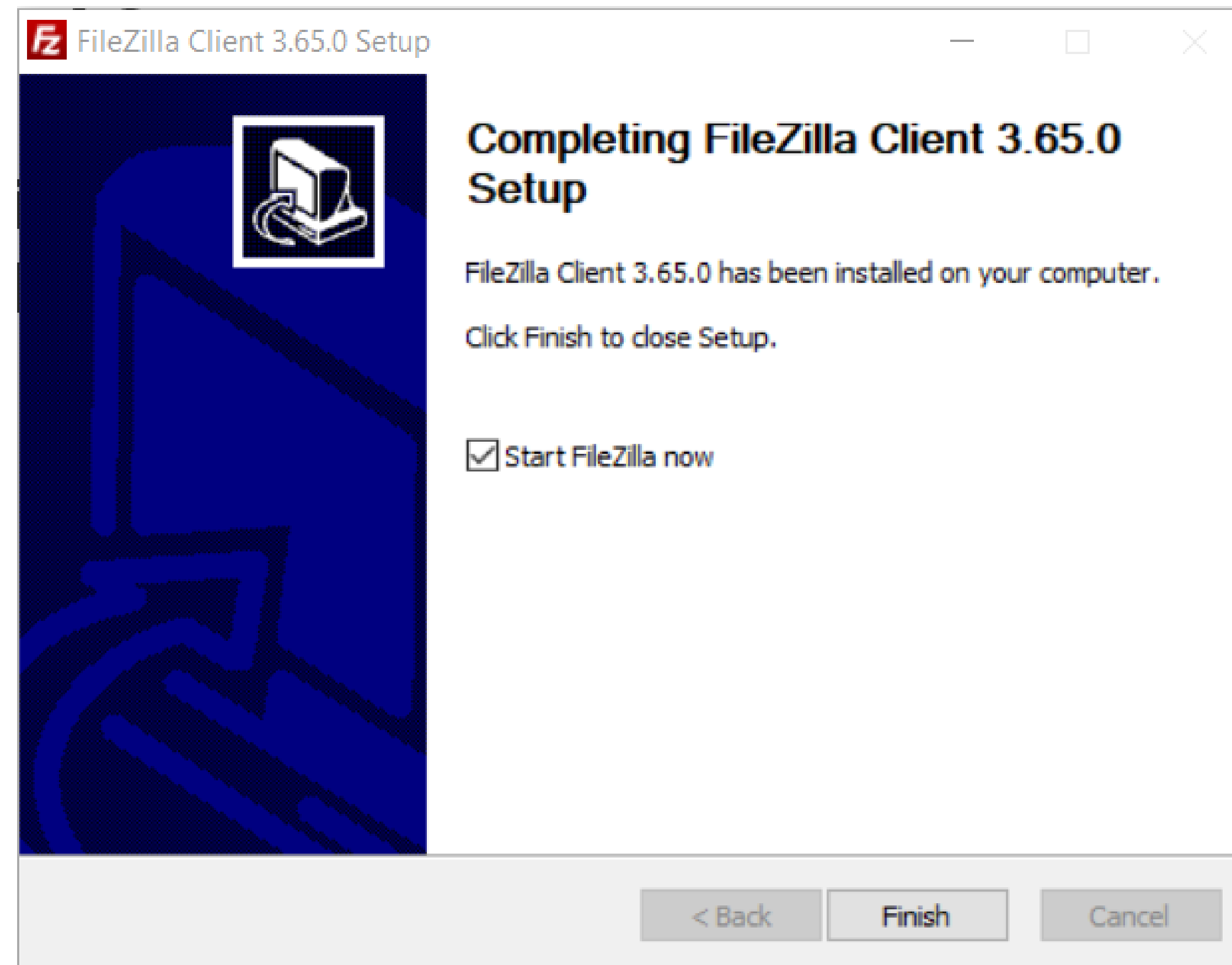
Step 8

Go to your downloads and double-click the file to start installation

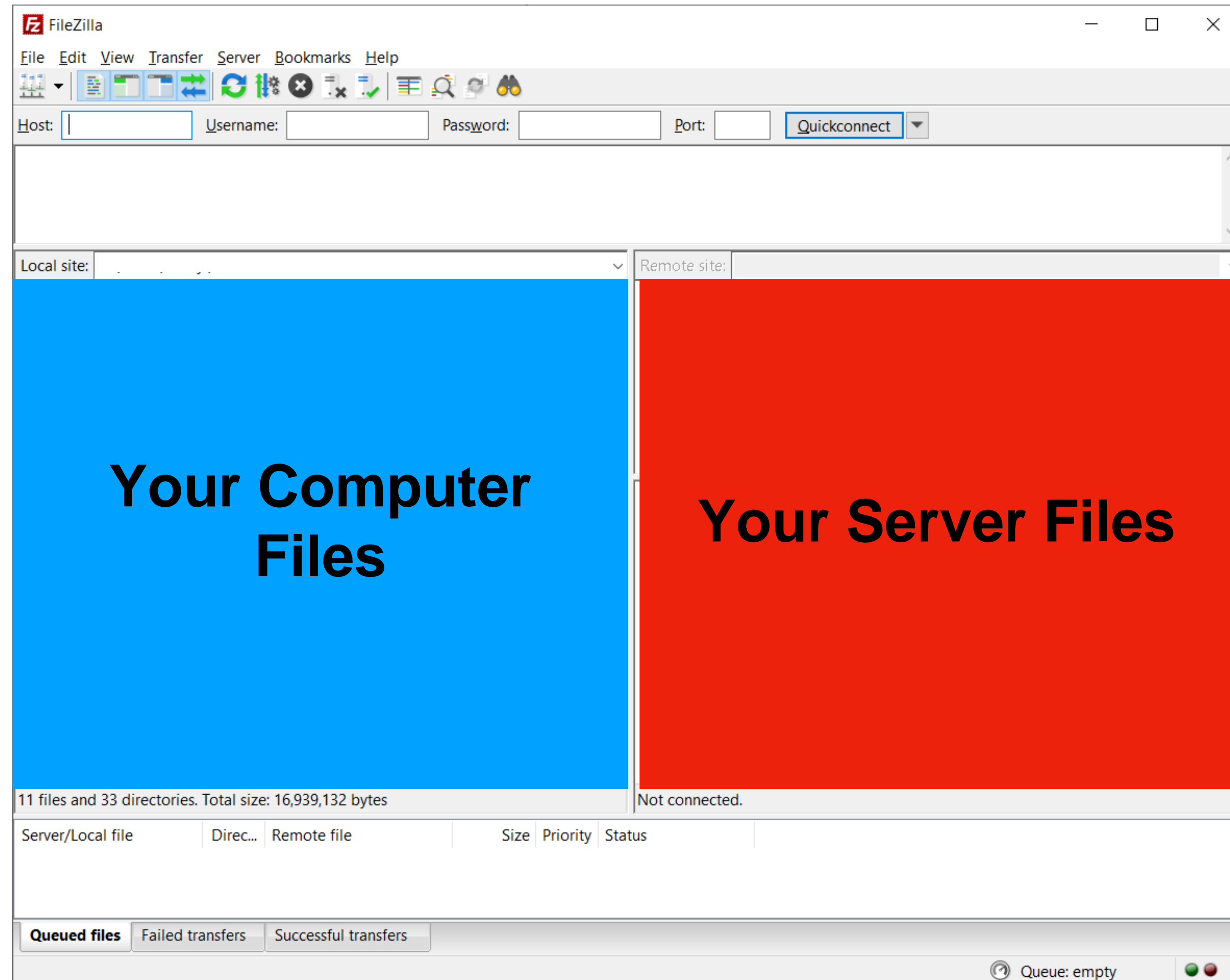


Step 9

After it is done downloading, click “Finish” and launch FileZilla.

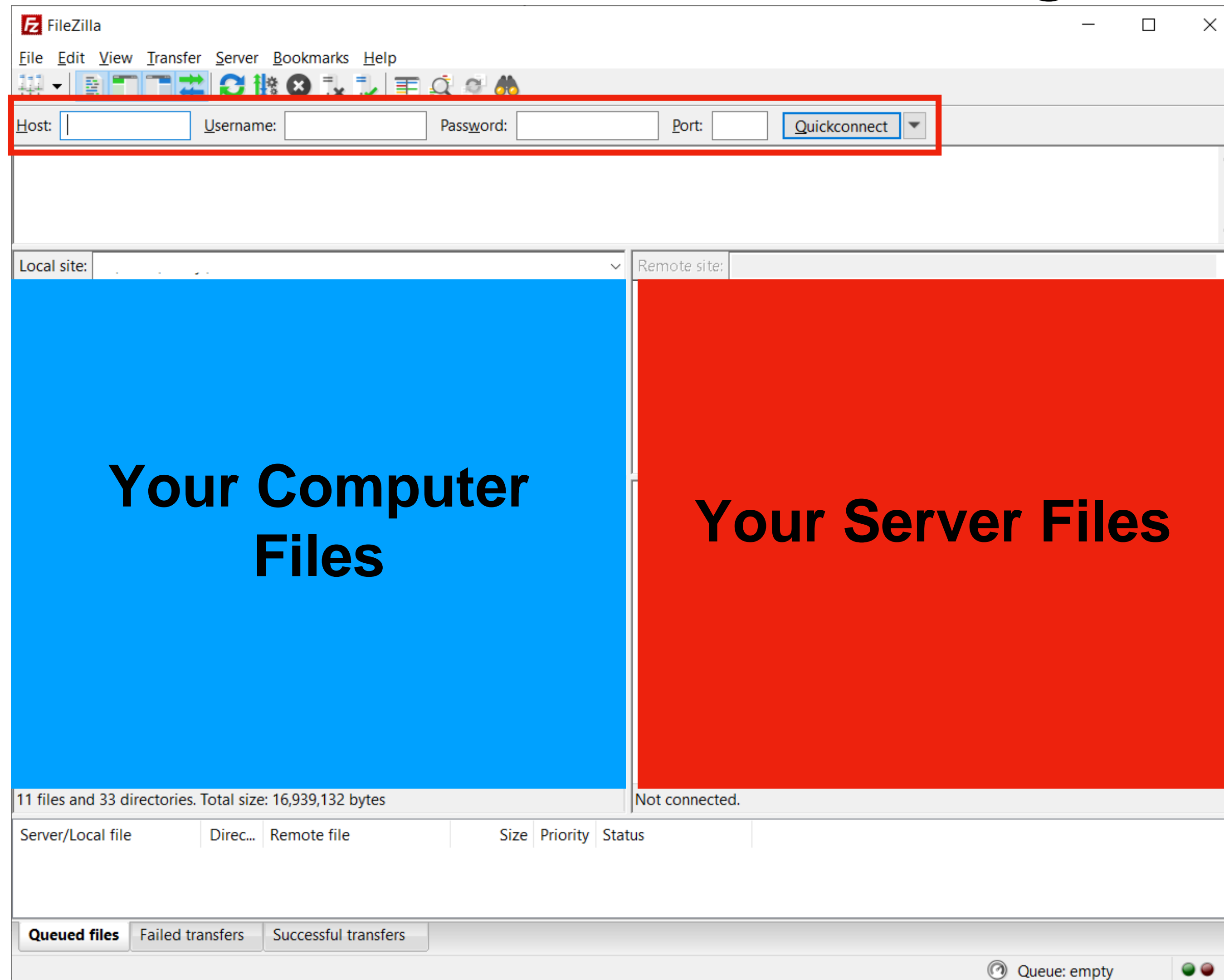


The left side of the screen is all the files on your computer and the right side of the screen will show the files on the server (once you get connected to the server)



Step 10

To connect to the server, we'll now be looking at the top part of the screen

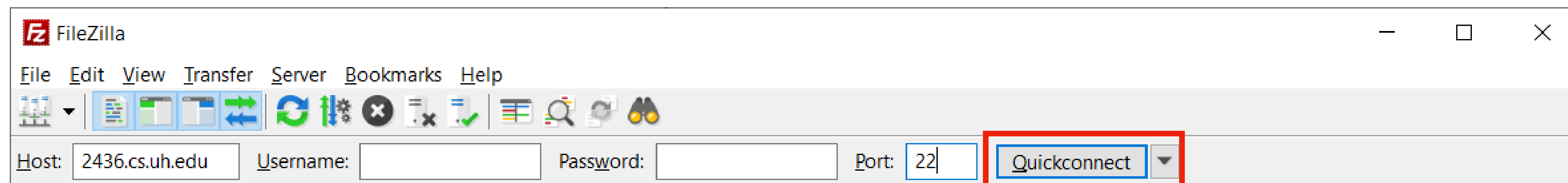


Step 11

To connect to the server enter the following in the fields at the top:

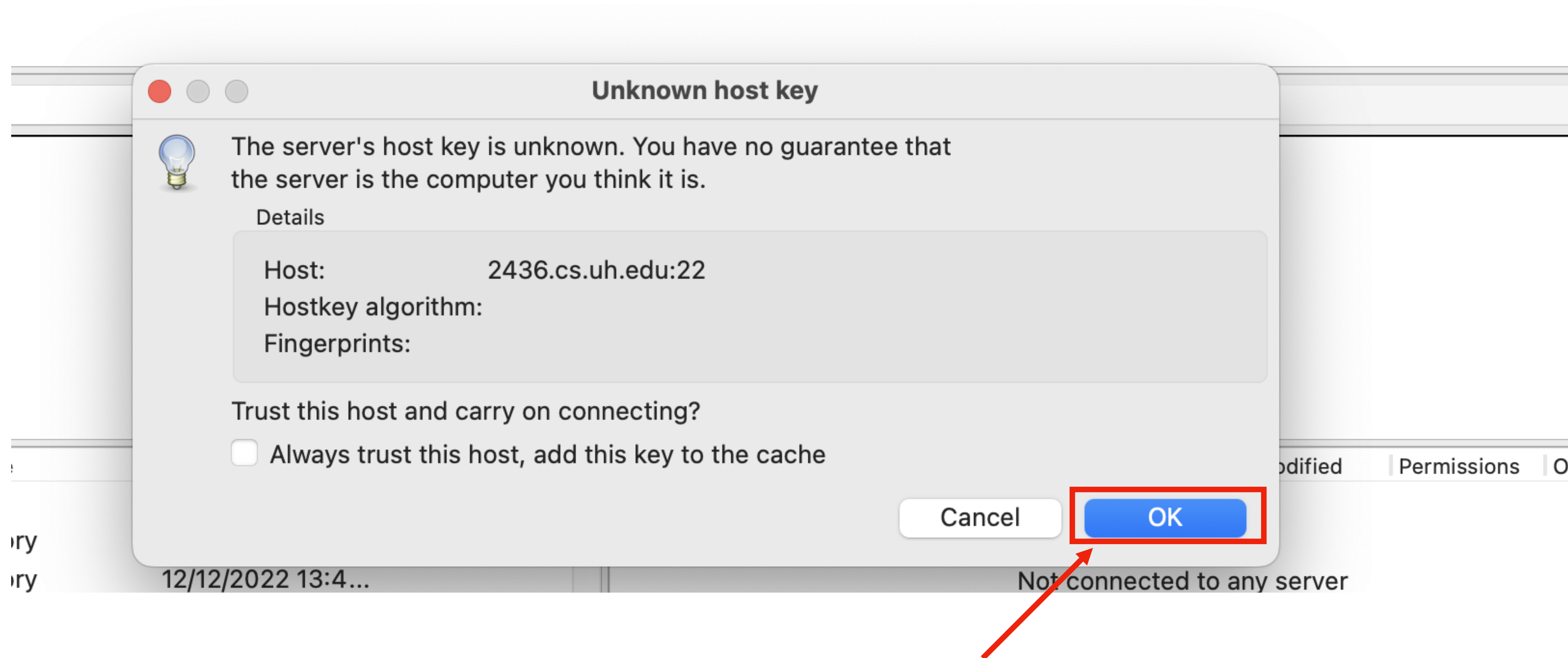
- Host: 2436.cs.uh.edu
- Username: your server username
- Password: your server password
- Port: 22

Then click “Quickconnect”



Step 12

If something like this pops up, just hit “OK”

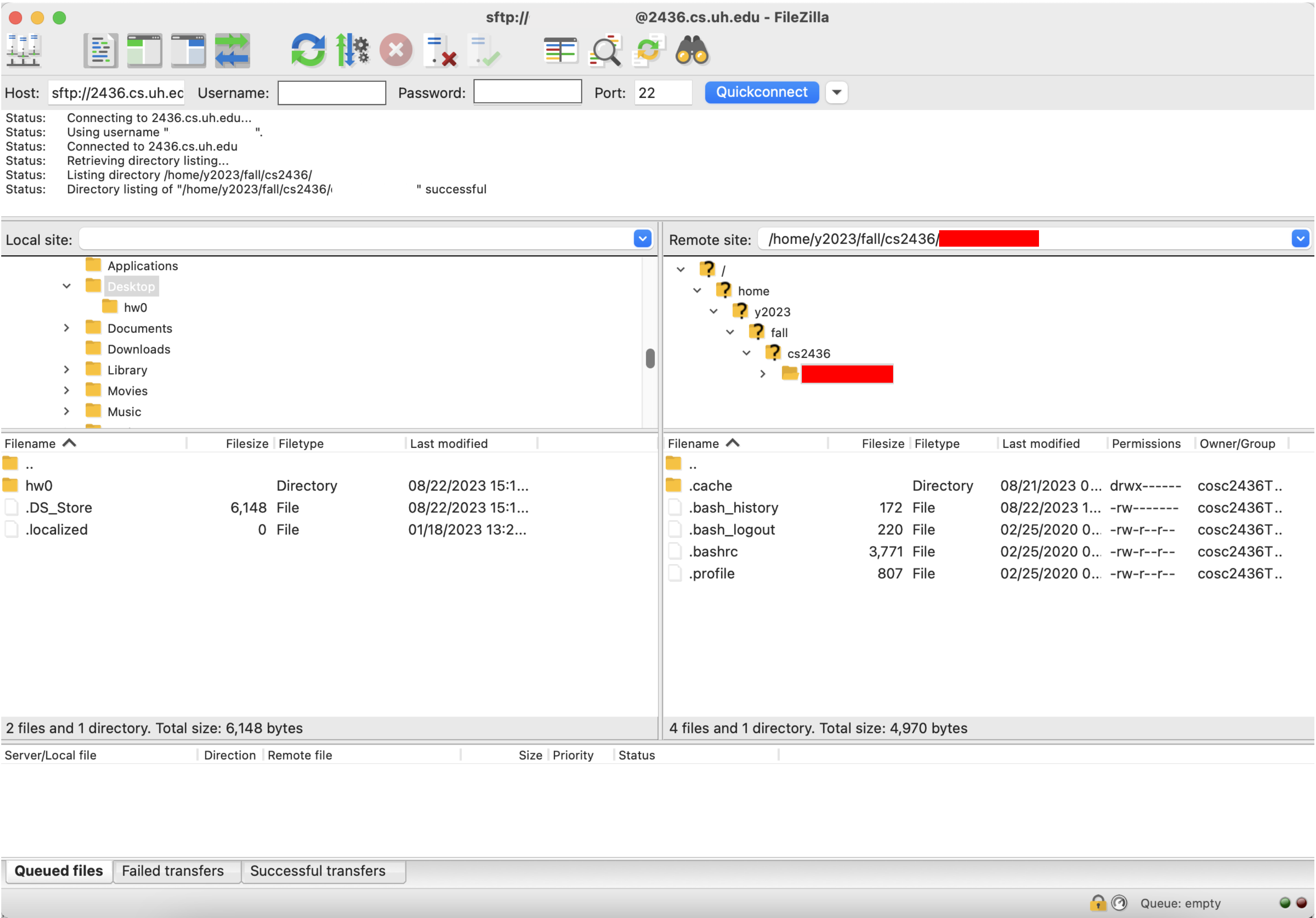


Step 13

We are now connected to the server and your screen should look something like this.

We can see the hw0 folder in our Desktop folder on our computer.

We can see our server account on the right side (the red bar represents where your username will be).

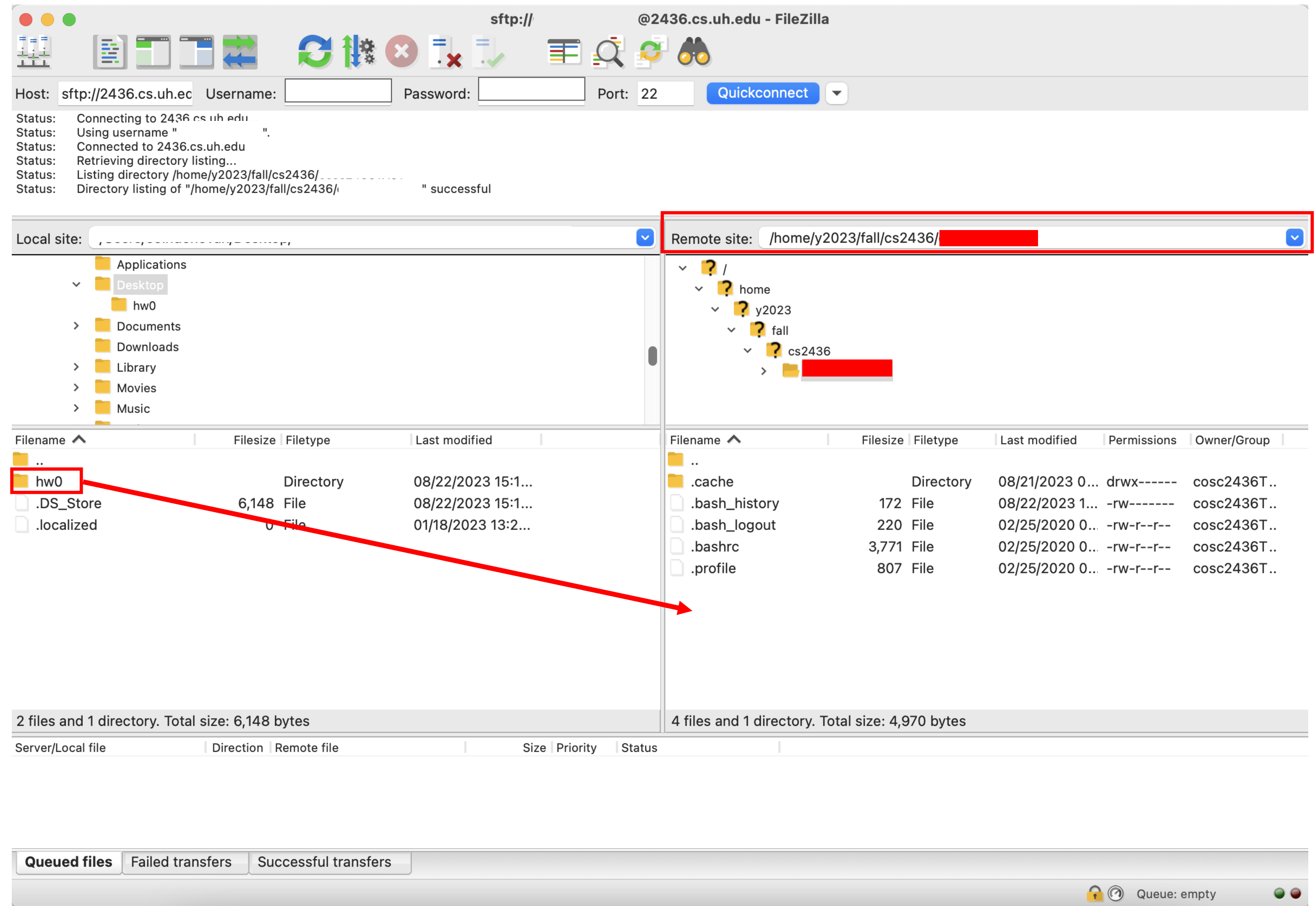


Step 14

To transfer the hw0 folder over to the server, we need to drag and drop it.

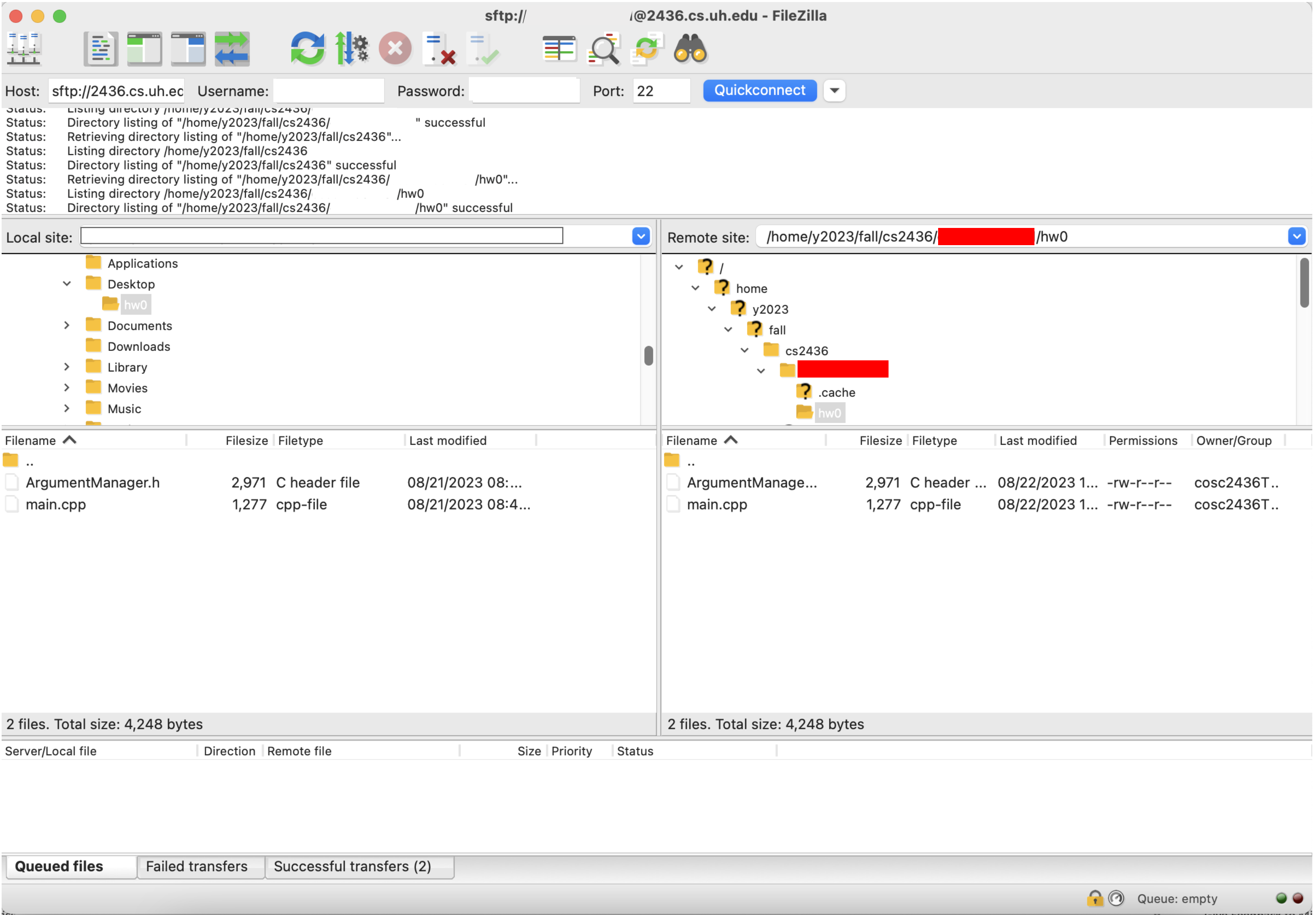
1. Go to your root directory on the server by making sure the “remote site” path ends with username

2. Drag and drop the hw0 folder from the left side to your server account on the right side.



We can now see that the hw0 folder has successfully been put under our root directory.

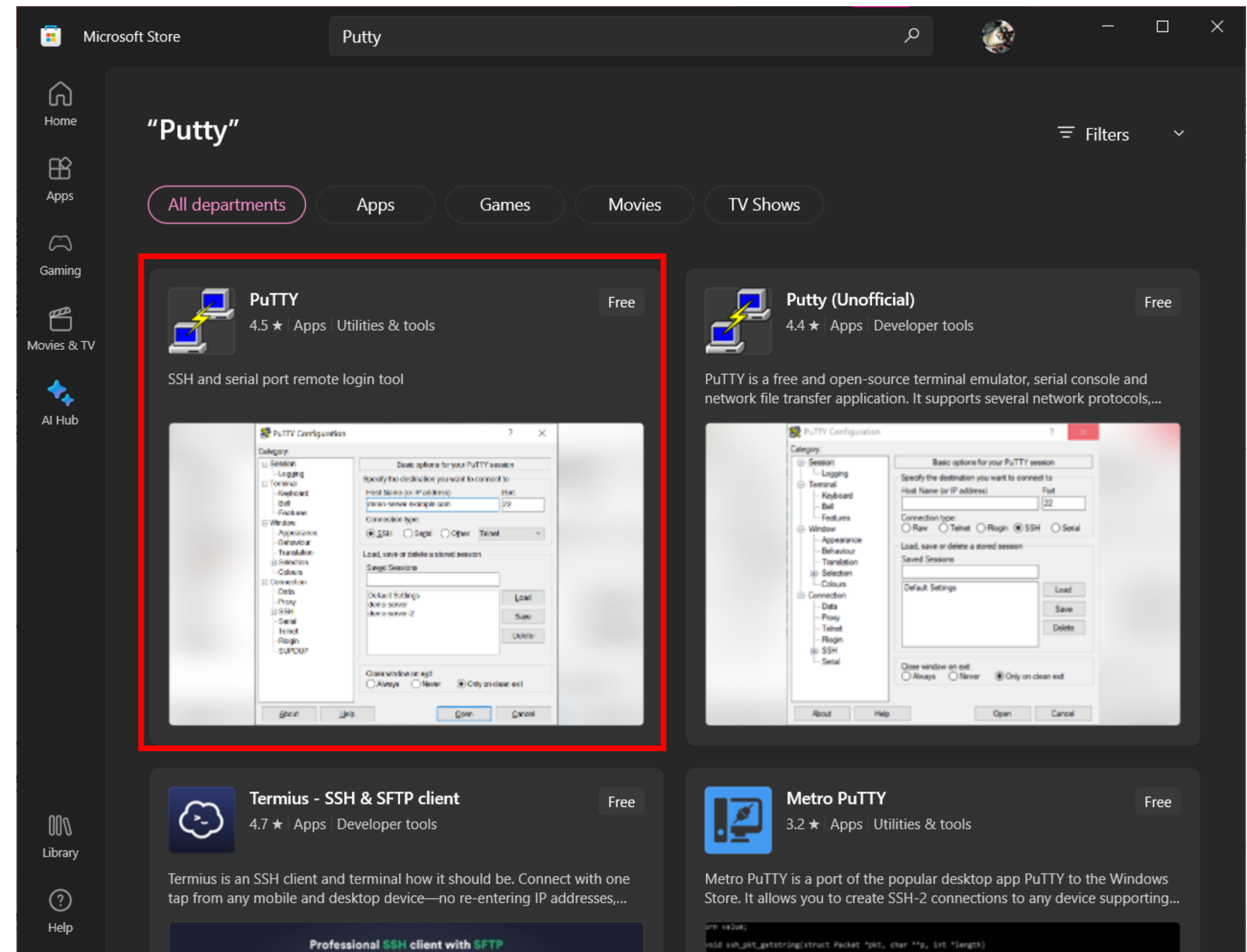
Next, we will log into the server from the terminal to change the permissions for the hw0 folder.



The next step will cover how to install Putty, if you already have it installed you can skip to Step 16.

Step 15: Installing Putty via Microsoft Store

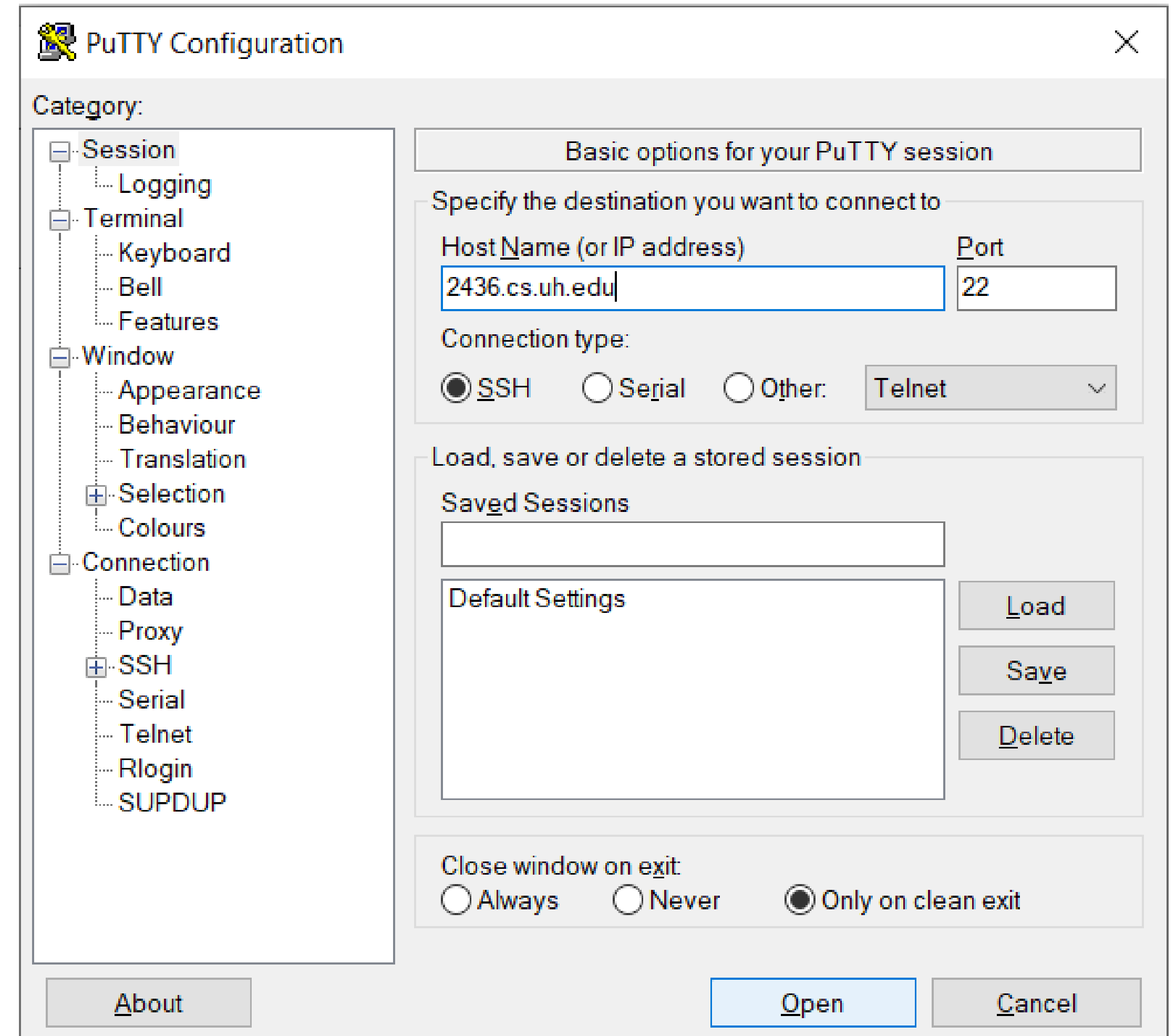
- Go to the Microsoft Store via the search bar
- Search Putty
- Click on the official PuTTY app
- Click “Install”
- Once installed, launch PuTTY



Step 16

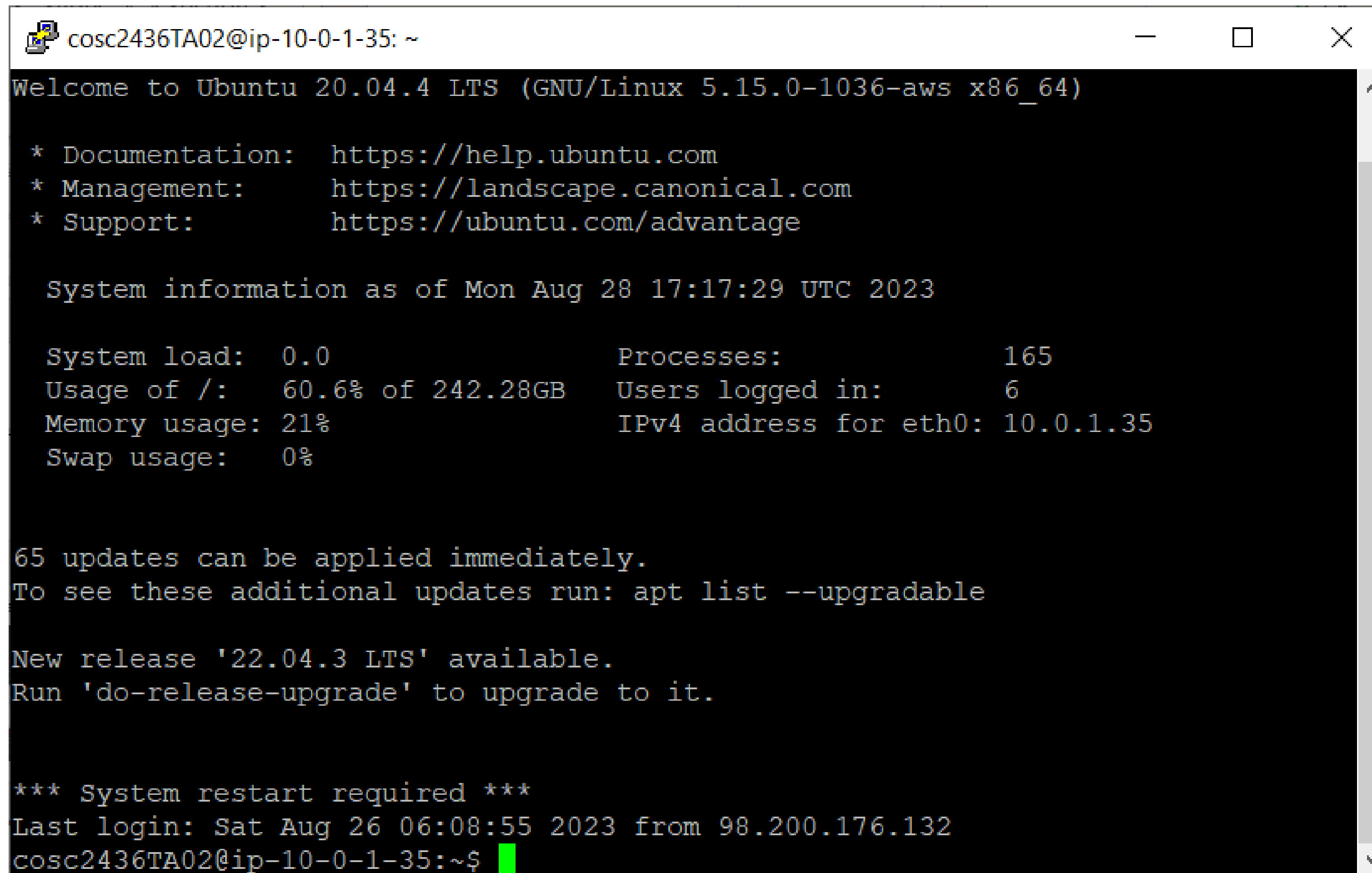
Open the Terminal application via Putty.

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



Step 17

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



```
cosc2436TA02@ip-10-0-1-35: ~
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.15.0-1036-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:       https://ubuntu.com/advantage

System information as of Mon Aug 28 17:17:29 UTC 2023

System load:  0.0                       Processes:            165
Usage of /:   60.6% of 242.28GB          Users logged in:     6
Memory usage: 21%                       IPv4 address for eth0: 10.0.1.35
Swap usage:   0%

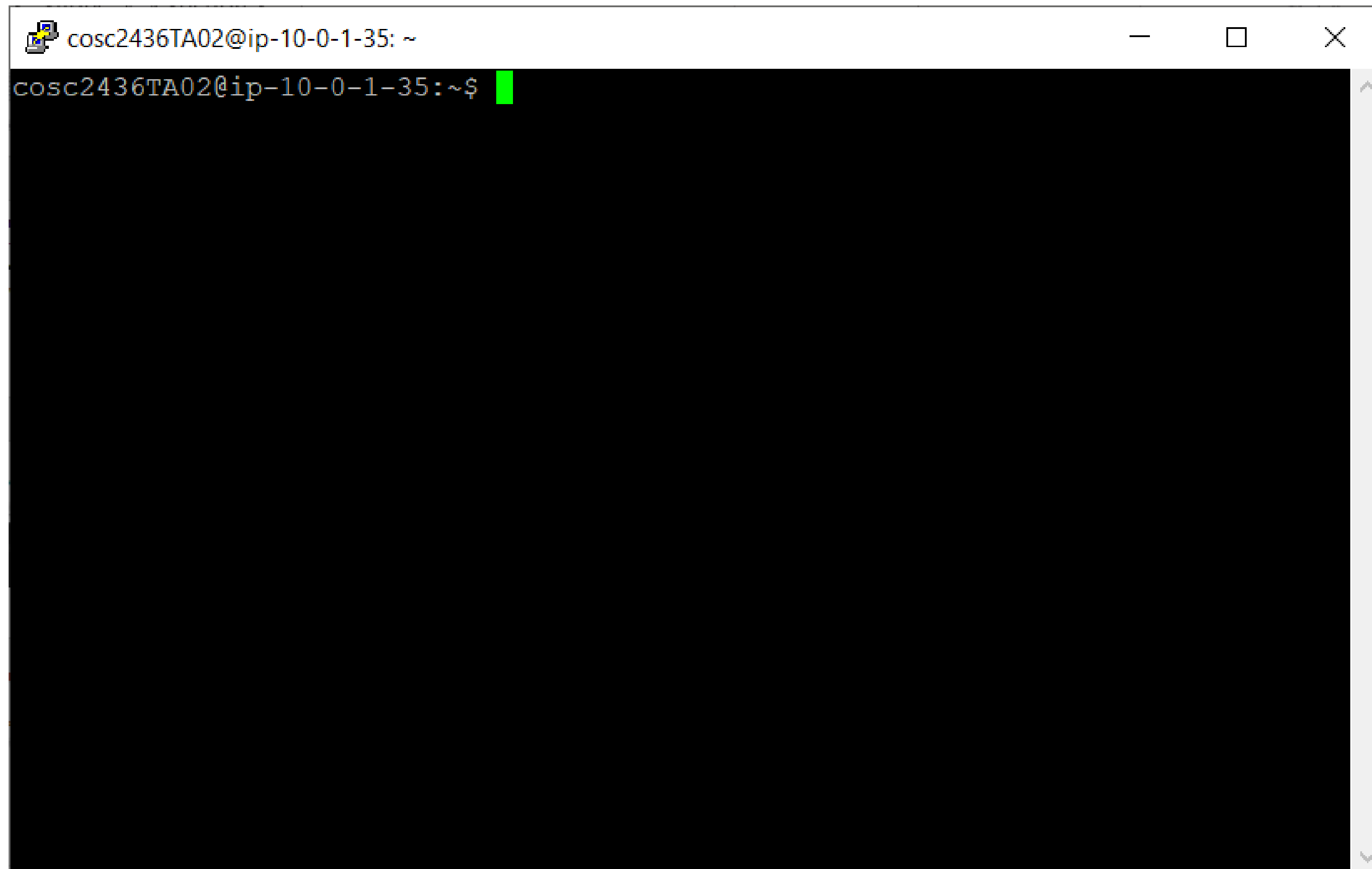
65 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

*** System restart required ***
Last login: Sat Aug 26 06:08:55 2023 from 98.200.176.132
cosc2436TA02@ip-10-0-1-35:~$
```

Step 18

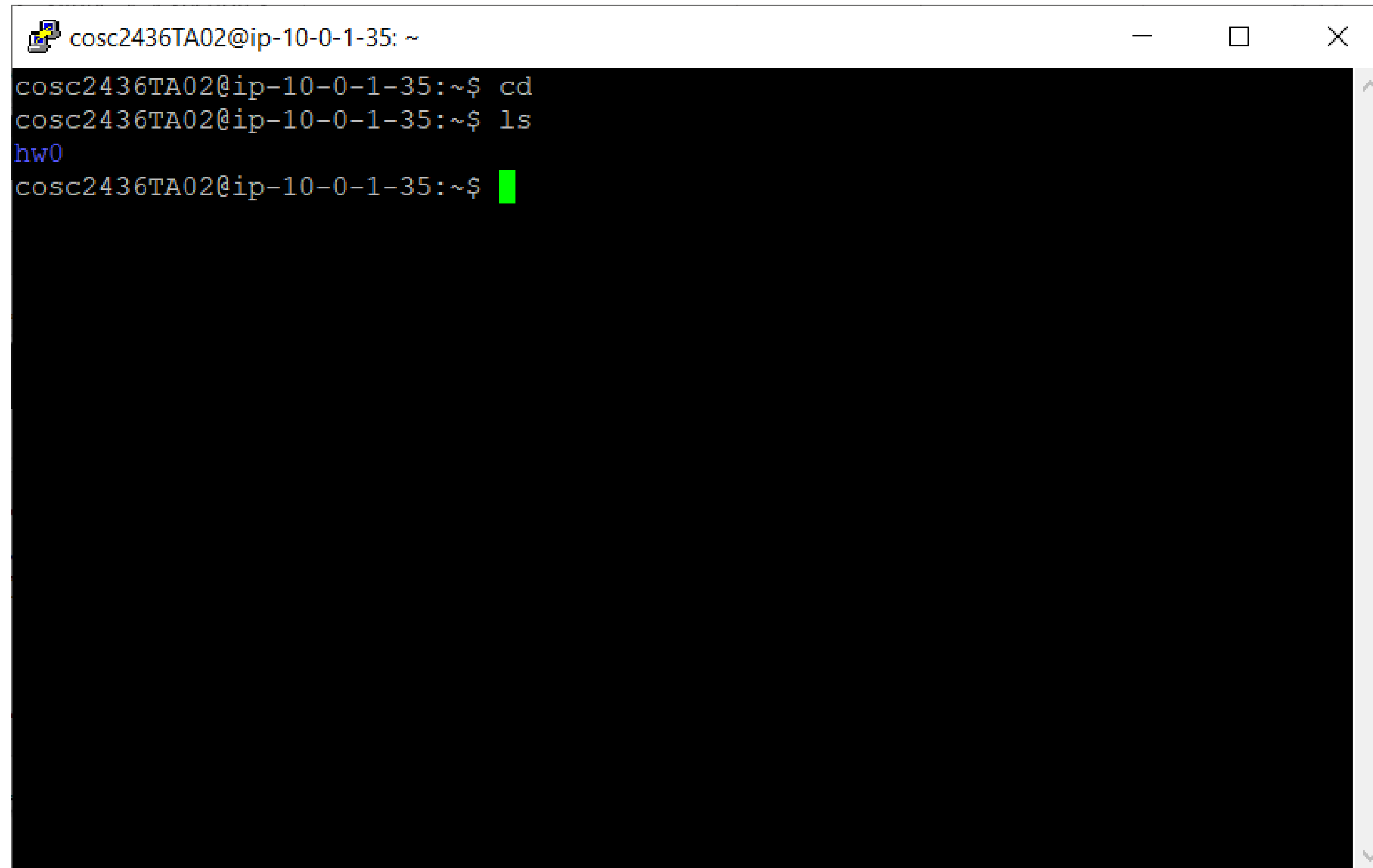
Enter the command “clear” to clear the screen.

A terminal window with a white title bar containing the text 'cosc2436TA02@ip-10-0-1-35: ~' and standard window controls. The terminal area has a black background. The prompt 'cosc2436TA02@ip-10-0-1-35:~\$' is displayed in green text at the top left, followed by a green cursor block. The rest of the terminal area is empty black space.

```
cosc2436TA02@ip-10-0-1-35: ~  
cosc2436TA02@ip-10-0-1-35:~$
```

Step 19

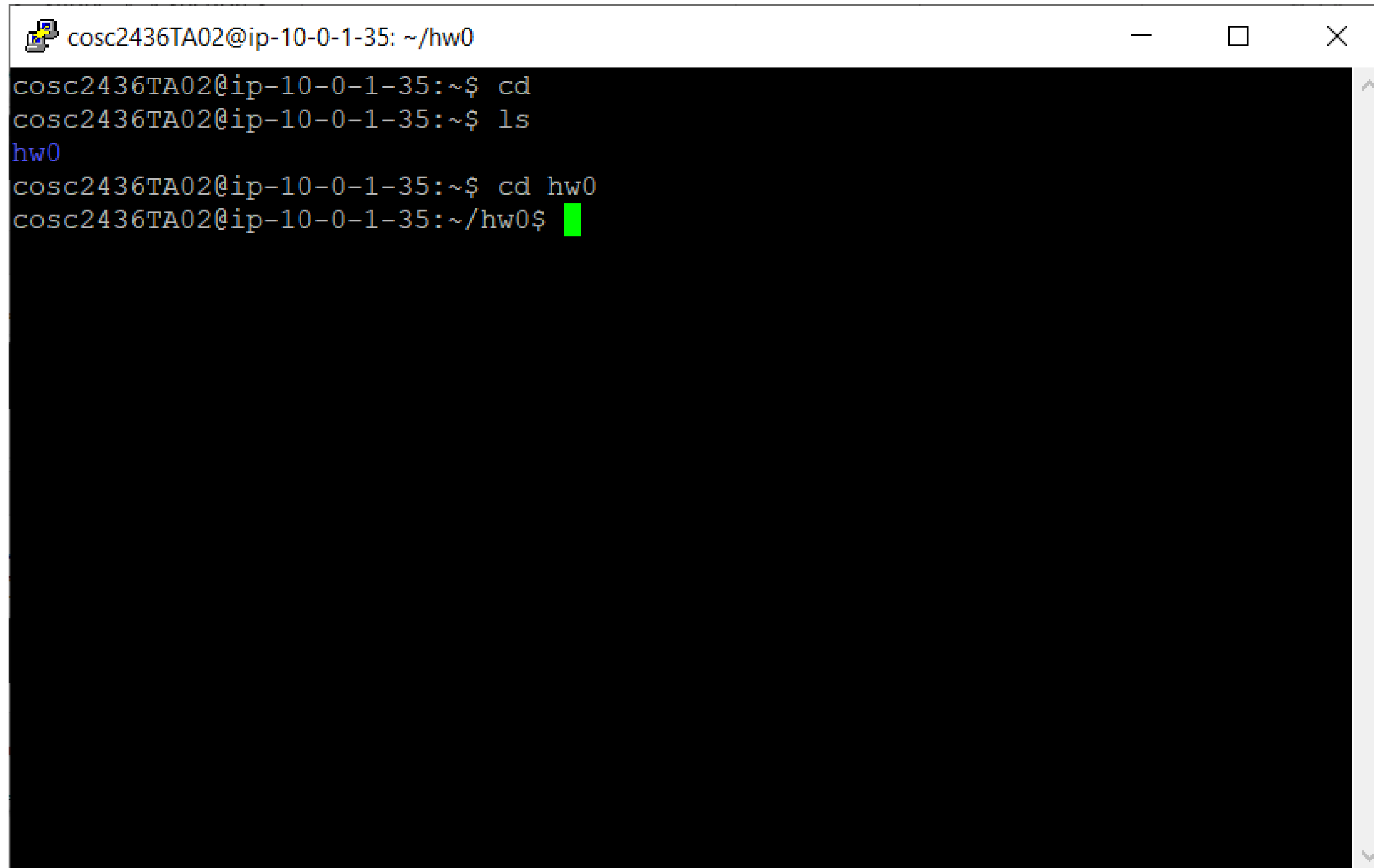
1. Enter “cd” to navigate to the root directory
 2. Enter “ls” to see a list of folders/files in the root directory.
- **Note: The root directory is the home folder. The path should end with your username.**

A terminal window with a black background and white text. The title bar shows 'csc2436TA02@ip-10-0-1-35: ~'. The terminal content shows the user entering 'cd' and 'ls' commands. The output of 'ls' is 'hw0' in blue text. A green cursor is visible at the end of the last command line.

```
csc2436TA02@ip-10-0-1-35: ~  
csc2436TA02@ip-10-0-1-35:~$ cd  
csc2436TA02@ip-10-0-1-35:~$ ls  
hw0  
csc2436TA02@ip-10-0-1-35:~$
```

Step 20

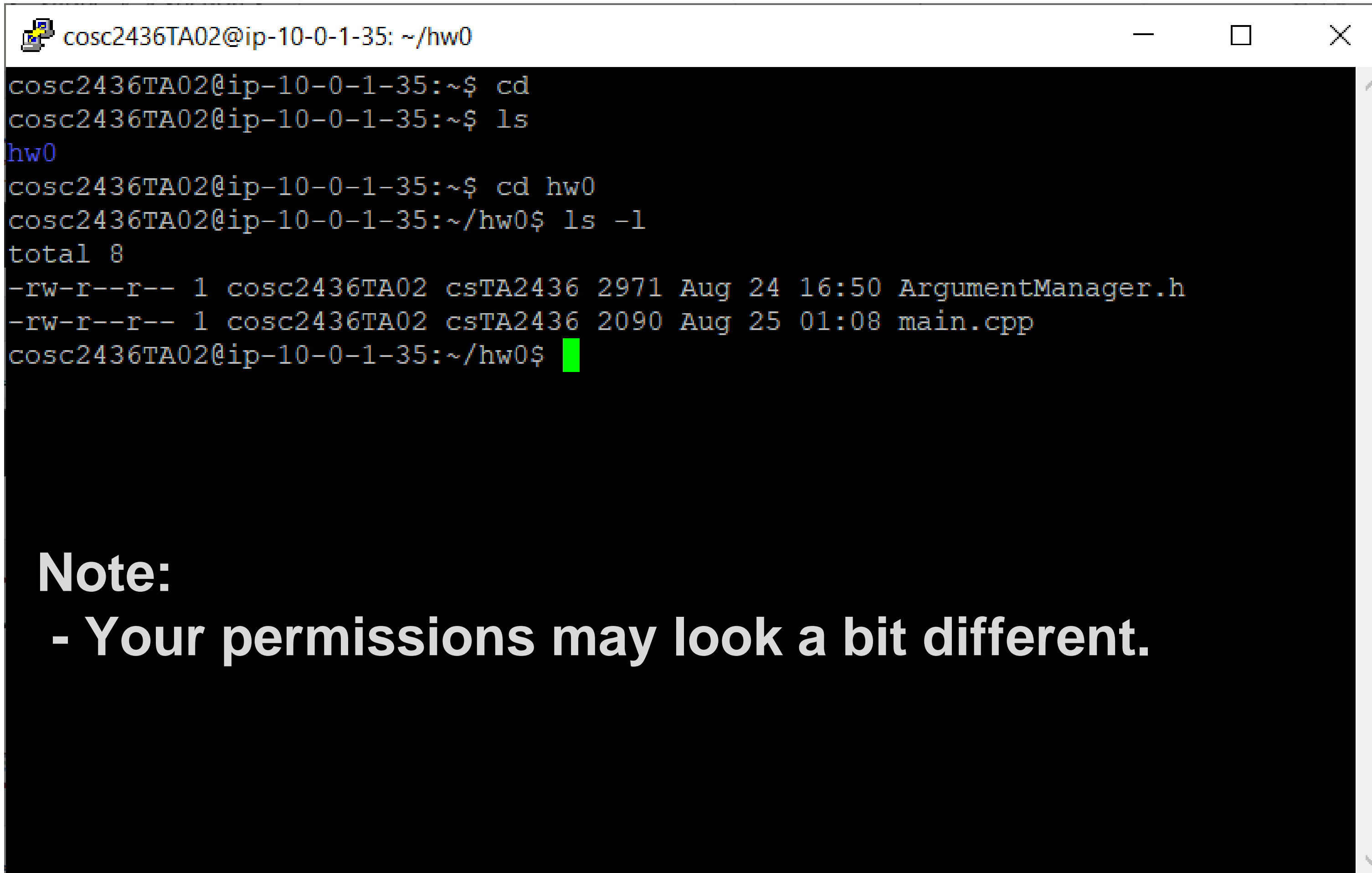
Then enter the command “cd hw0” to go into the hw0 folder

A terminal window with a title bar showing the user 'cosc2436TA02' and the current directory '~/hw0'. The terminal has a black background with white text. The command history shows: 'cd', 'ls', 'hw0' (highlighted in blue), and 'cd hw0'. The current prompt is 'cosc2436TA02@ip-10-0-1-35:~/hw0\$' followed by a green cursor.

```
cosc2436TA02@ip-10-0-1-35: ~/hw0
cosc2436TA02@ip-10-0-1-35:~$ cd
cosc2436TA02@ip-10-0-1-35:~$ ls
hw0
cosc2436TA02@ip-10-0-1-35:~$ cd hw0
cosc2436TA02@ip-10-0-1-35:~/hw0$
```

Step 21

Enter the command “ls -l” to view the permissions of the files in the folder.

A terminal window with a title bar showing the user 'cosc2436TA02' at IP 'ip-10-0-1-35' in the directory '~/hw0'. The terminal has a black background with white text. The user enters 'cd' to move to the current directory, then 'ls' to list files. The prompt changes to '~/hw0'. Then the user enters 'cd hw0' to move into the 'hw0' subdirectory, and finally 'ls -l' to list files with long format. The output shows two files: 'ArgumentManager.h' and 'main.cpp', each with permissions '-rw-r--r--', size 2971 and 2090 respectively, and timestamps. The prompt returns to '~/hw0\$' with a green cursor.

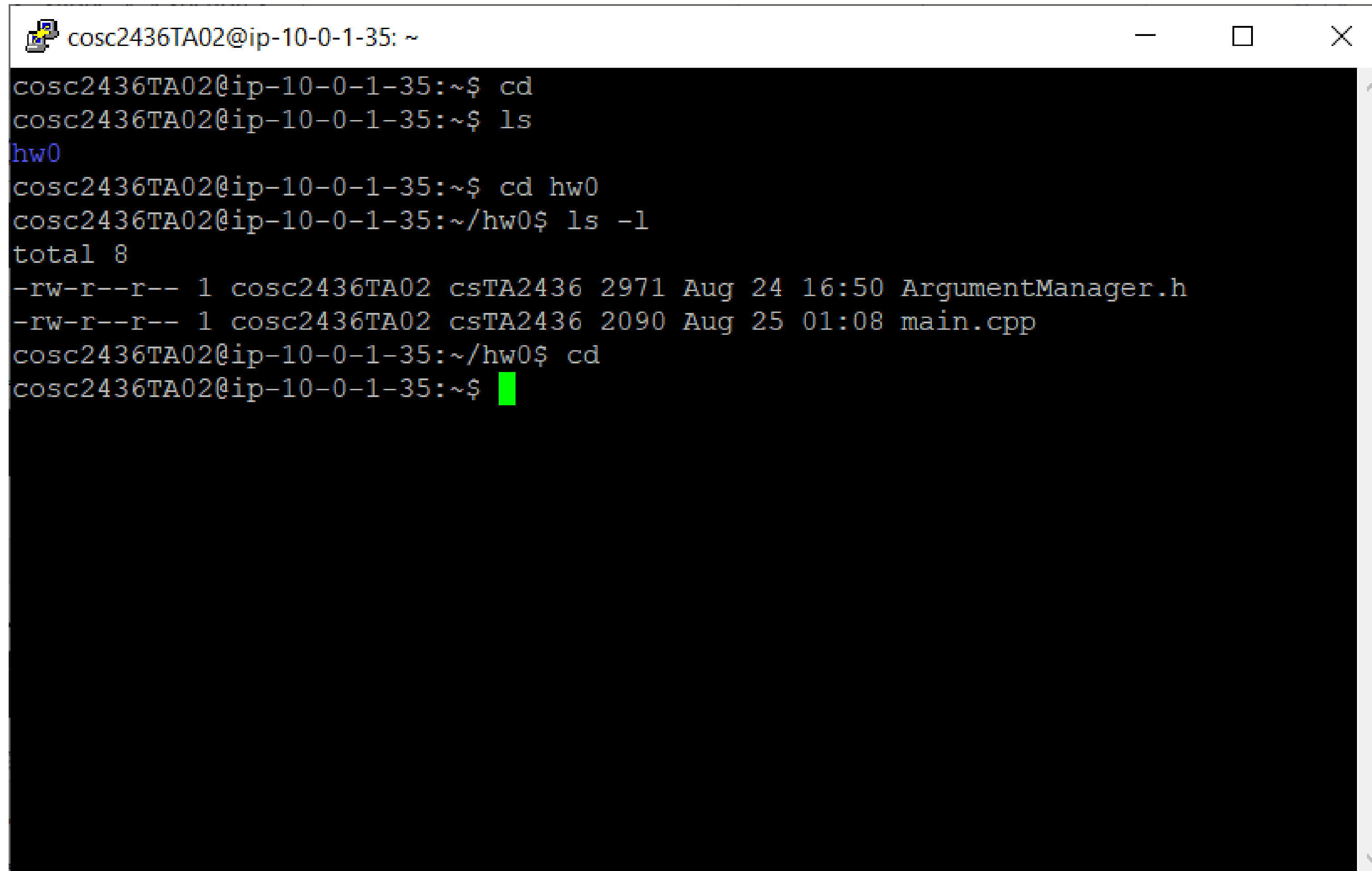
```
cosc2436TA02@ip-10-0-1-35: ~/hw0
cosc2436TA02@ip-10-0-1-35:~$ cd
cosc2436TA02@ip-10-0-1-35:~$ ls
hw0
cosc2436TA02@ip-10-0-1-35:~$ cd hw0
cosc2436TA02@ip-10-0-1-35:~/hw0$ ls -l
total 8
-rw-r--r-- 1 cosc2436TA02 cstA2436 2971 Aug 24 16:50 ArgumentManager.h
-rw-r--r-- 1 cosc2436TA02 cstA2436 2090 Aug 25 01:08 main.cpp
cosc2436TA02@ip-10-0-1-35:~/hw0$
```

Note:

- Your permissions may look a bit different.

Step 22

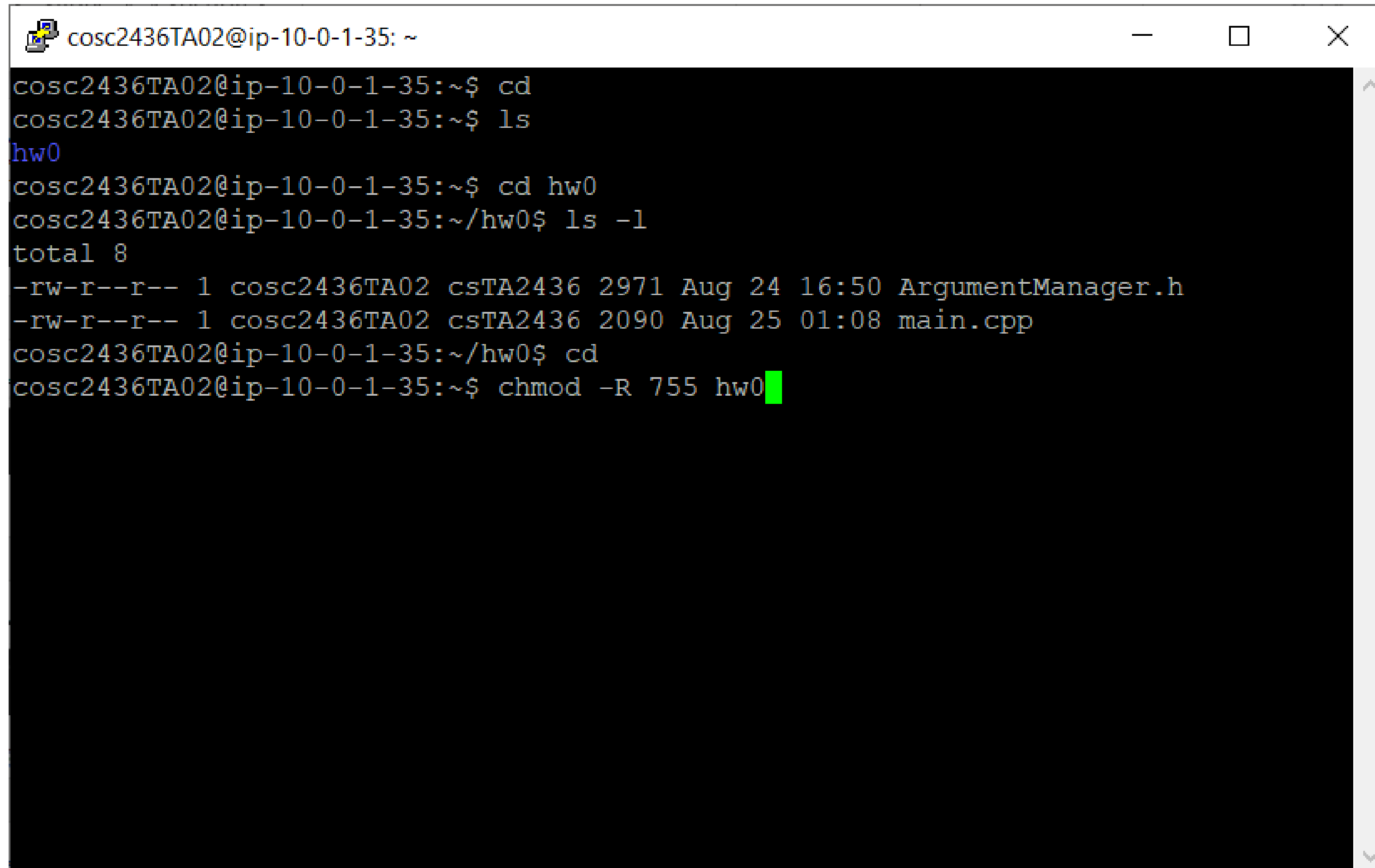
We can then enter the command “cd” to go back to the root directory

A terminal window with a title bar showing the user 'cosc2436TA02' and the host 'ip-10-0-1-35'. The terminal has a black background with white text. The user enters 'cd' to return to the root directory, then 'ls' to list files. The output shows a directory named 'hw0' with two files: 'ArgumentManager.h' and 'main.cpp'. The user then enters 'cd' again to return to the root directory, and the prompt returns to '~\$'.

```
cosc2436TA02@ip-10-0-1-35: ~  
cosc2436TA02@ip-10-0-1-35:~$ cd  
cosc2436TA02@ip-10-0-1-35:~$ ls  
hw0  
cosc2436TA02@ip-10-0-1-35:~$ cd hw0  
cosc2436TA02@ip-10-0-1-35:~/hw0$ ls -l  
total 8  
-rw-r--r-- 1 cosc2436TA02 csTA2436 2971 Aug 24 16:50 ArgumentManager.h  
-rw-r--r-- 1 cosc2436TA02 csTA2436 2090 Aug 25 01:08 main.cpp  
cosc2436TA02@ip-10-0-1-35:~/hw0$ cd  
cosc2436TA02@ip-10-0-1-35:~$
```

Step 23

To change the permissions of our hw0 folder, enter the command:
chmod -R 755 folder_name



```
cosc2436TA02@ip-10-0-1-35: ~  
cosc2436TA02@ip-10-0-1-35:~$ cd  
cosc2436TA02@ip-10-0-1-35:~$ ls  
hw0  
cosc2436TA02@ip-10-0-1-35:~$ cd hw0  
cosc2436TA02@ip-10-0-1-35:~/hw0$ ls -l  
total 8  
-rw-r--r-- 1 cosc2436TA02 csTA2436 2971 Aug 24 16:50 ArgumentManager.h  
-rw-r--r-- 1 cosc2436TA02 csTA2436 2090 Aug 25 01:08 main.cpp  
cosc2436TA02@ip-10-0-1-35:~/hw0$ cd  
cosc2436TA02@ip-10-0-1-35:~$ chmod -R 755 hw0
```

When we check the permissions of our hw0 folder again using the command “ls -l folder_name”, we see that we have the right permissions.

```
cosc2436TA02@ip-10-0-1-35: ~  
cosc2436TA02@ip-10-0-1-35:~$ cd  
cosc2436TA02@ip-10-0-1-35:~$ ls  
hw0  
cosc2436TA02@ip-10-0-1-35:~$ cd hw0  
cosc2436TA02@ip-10-0-1-35:~/hw0$ ls -l  
total 8  
-rw-r--r-- 1 cosc2436TA02 csTA2436 2971 Aug 24 16:50 ArgumentManager.h  
-rw-r--r-- 1 cosc2436TA02 csTA2436 2090 Aug 25 01:08 main.cpp  
cosc2436TA02@ip-10-0-1-35:~/hw0$ cd  
cosc2436TA02@ip-10-0-1-35:~$ chmod -R 755 hw0  
cosc2436TA02@ip-10-0-1-35:~$ ls -l hw0/  
total 8  
-rwxr-xr-x 1 cosc2436TA02 csTA2436 2971 Aug 24 16:50 ArgumentManager.h  
-rwxr-xr-x 1 cosc2436TA02 csTA2436 2090 Aug 25 01:08 main.cpp  
cosc2436TA02@ip-10-0-1-35:~$
```

You've successfully uploaded files to the server! Let's move onto testing your solution on the server! 😊