

Running Linux on Windows or MacOS

Since Windows has limited support for pthread APIs and process fork() syscall, some assignments must be done on Linux. You have several options, depending on your laptop platform

Option 1: Use Secure Shell (SSH) to connect to a terminal in Adams Hall. Please refer to the document [COMPUTER SCIENCE LAB TECHNOLOGY GUIDE](#) for more details.

“From a Terminal (e.g. WSL or Cygwin on Windows), enter the following command:

```
ssh -p 5010 username@adams204xx.hofstra.edu
```

The username is your Hofstra Portal username (e.g. h702345678) and the xx is a number from 01 to 30. Type yes and press Enter. Type in your Linux account password and press Enter. If the machine number you try is unreachable, try a different number. If this is the first time you are logging in to your Linux account, you need to login with the default password, which is your 700 number (e.g. 702345678) and it will require you to set a new password. After entering your 700 number as the password, it will ask you to enter the current password again (your 700#). Then you will need to provide your new password twice.”

You can use text editors on Linux such as nano, emacs or vi on the SSH terminal: <https://www.geeksforgeeks.org/linux-text-editors/>, or if you want to use the VS Code IDE on Windows, refer to this link: <https://devblogs.microsoft.com/cppblog/integrated-terminal-in-visual-studio-new-ssh-integration-for-linux-targeting/>

Option 2: If your laptop runs Windows, install the Windows Subsystem for Linux (WSL): <https://learn.microsoft.com/en-us/windows/wsl/install>. If you use VS Code, please install VS Code WSL extension <https://code.visualstudio.com/docs/remote/wsl>.

Option 3: If your laptop runs MacOS, install UTM: <https://macpaw.com/how-to/install-linux-on-mac>.