

**CS 1313 010: Programming for Non-majors, Fall 2014**  
**Programming Project #1: Thinking of a Number**  
**Due by 11:20am Wednesday September 3 2014**

This first assignment will help you learn to use the Linux computers administered by OU Information Technology for the College of Engineering. An account should have been set up for you automatically. If you have trouble accessing your account, then you **MUST contact Dr. Neeman by no later than Wednesday August 27.** You **MUST** be enrolled in CS1313 to get an account.

Actions and commands that you should perform or type are in the **computer boldface** font. Your user name is denoted here as `yourusername`, but will actually be your OU4+4 ID (the first 4 letters of your last name **in all lower case**, followed by the last 4 digits of your OU ID number.

The requirements for this assignment are listed on the following pages.

## I. LOG IN

1. Connect and log in, from a computer that you're sitting at, to:

`ssh.ou.edu`

- (a) From a PC in Carson Engineering Center 205, 206 or S-18:

- i. Press **Ctrl** **Alt** **Delete** simultaneously.
- ii. This will take you to the Logon Banner screen. Click **OK** or press **Enter**.
- iii. Type your OU4+4 username and password in the appropriate text boxes and click **→** or press **Enter**.
- iv. Wait patiently while the PC logs you in and starts up various features.
- v. The **Start** button (a little circular Windows logo) will appear in the lower left corner of the screen. (Various other windows may also pop up). Click on the **Start** button.
- vi. When the Start menu pops up, click on **All Programs**
- vii. Click on **Applications**
- viii. Using the scroll bar in the middle of the Start menu, scroll down until you find **PuTTY** and click on it. This will make the PuTTY submenu visible.
- ix. In the PuTTY submenu, click on **PuTTY**  
This will pop up a window titled `PuTTY Configuration`.
- x. On the left side of the `PuTTY Configuration` window, under the heading `Terminal`, is an entry **Keyboard**  
Click on it.
- xi. This will bring up a section titled `Options` controlling the effects of keys. Under this is a heading `Change the sequences sent by:` and beneath that is `The Backspace key`. Click to select **Control-H**
- xii. A bit lower is `The Function keys and keypad`. Click to select **Xterm R6**
- xiii. On the left side of the `PuTTY Configuration` window, below `Terminal` and its subentries, is an entry **Window**  
Click on it.
- xiv. This will bring up a section titled `Options` controlling PuTTY's window. The first option is `Set the size of the window`. Choose **EXACTLY** 80 columns (which is the default) and **EXACTLY** 40 rows (which isn't the default, so you'll have to change it).

- xv. Below that is an option `When window is resized:`  
Click on  
**Forbid resizing completely**  
**NEVER RESIZE THE PUTTY WINDOW USING THE MOUSE, AND NEVER CLICK THE MAXIMIZE BUTTON AT THE TOP RIGHT OF THE WINDOW.**
  - xvi. On the left side of the `puTTY Configuration` window, below `Window` is a subentry  
**Translation**  
Click on it.
  - xvii. This will bring up a section titled `Options` controlling character set translation. Below that is a section titled `Character set translation on received data` and below that is a menu titled `Received data assumed to be in which character set`. In that menu, select **UTF-8**
  - xviii. On the left side of the `puTTY Configuration` window, the first entry is **Session**  
Click on it.
  - xix. This will bring up a section titled `Basic options for your PuTTY session`. The first option is `Specify the destination you want to connect to` and immediately below it is `Host Name (or IP address)`. In the text box immediately below that, type the full name of the computer that you are logging into:  
`ssh.ou.edu`
  - xx. Immediately below this is `Connection type:` below which make sure that `SSH` is selected (it should be the default, so you shouldn't need to click on it).
  - xxi. At the bottom right of the `puTTY Configuration` window, click **Open**.
  - xxii. If a `puTTY Security Alert` window pops up, click **Yes**.
  - xxiii. When prompted to `login as`, type your OU4+4 and press **Enter**. When prompted for your password, type your password (which should be your OU4+4 password) and press **Enter**. **NOTHING WILL APPEAR AS YOU TYPE YOUR PASSWORD.** This is normal for Unix.
  - xxiv. **NOTE:** When you log out of a Windows PC in Carson 205, 206 or S-18, all of your `puTTY` settings will be lost, so you'll have to redo all these settings each time.
- (b) **From your own Windows PC, or from a Windows PC not in Carson 205, 206 or S-18:** You will need to download the `puTTY` SSH client onto your desktop. Details for how to do this can be found on the CS1313 website. Near the bottom of the page is a section titled "Useful Information," and one of the links in this section is titled "Downloading a Secure Shell Client to Your Desktop;" click on it and follow the directions. Once you've done that, the process should be the same as above, starting from Step I.1(a)x.