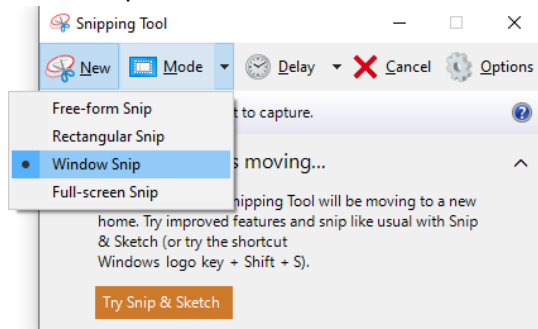# Assignment 1: Install Linux

1. **Install Ubuntu Server in your VM by following instructions in the video: Video Lecture 02 - Installing Ubuntu Server in a VM**
2. Use the following when installing the server:
   a. Set your username to be your first name
   b. Set your hostname to be the first 3 letters of your last name + your student ID (for example ers20059995)
3. Take a screenshot of your Virtual Machine application displaying the login prompt of your VM terminal and save as "ScreenShot1.png"
   a. In Windows use "Snipping Tool" and take a screenshot of your VM Application running your VM using the "Windows Snip" mode or other methods to achieve the same result.

      i.
   b. If you are a MacOS user, then you can accomplish the same task using "Grab", or use "Command + Shift + 4" or "Command + Shift + 4 + Space" shortcut keys.
4. Log-in to your VM using the username and password you had set earlier during the setup.
5. Type and execute the following two commands:

```
echo $USER
hostname
```

6. Take screenshot of your VM terminal showing the above commands and their output and save as "ScreenShot2.png"
7. Submit "ScreenShot1.png" and "ScreenShot2.png"

Backup the VM (Optional, but recommended)

1. Shutdown the Linux VM using the command "sudo shutdown -h now"
2. Exit VMware Workstation/VMware Fusion
3. Navigate to the directory where the VM is stored. For VMware Workstation running in Windows the default location is under ..\Documents\Virtual Machines
4. Add your Virtual Machine to a Zip Archive. You can back up you're the zip to another media such as USB thumb drive or other disk for safe keeping.
5. You can repeat this process to have a complete backup of your VM every time you make changes and you are satisfied with the changed

How to restore from Zip Archive

If something goes wrong with your VM or you need to restore the VM, or even bring the VM to another computer to run, simply delete the existing directory of your VM files (make sure VMware is NOT running). Replace the directory from the Zip archive by decompressing the files.