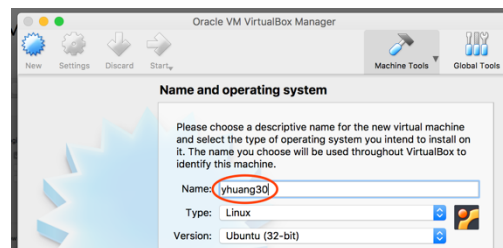# Programming Assignment 3

CSc 4222/6222
Deadline: Monday, April 9th, 11:59 pm
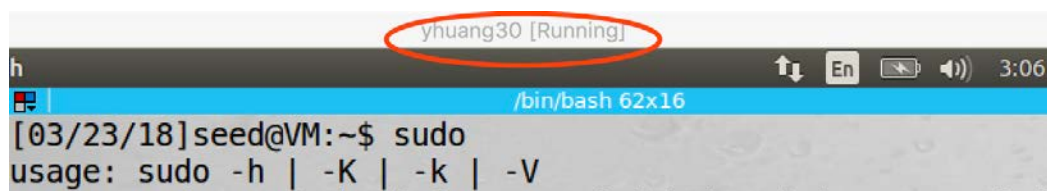## Late deadline: Thursday, April 12th, 11:59 pm

We have learned how to use virtual box to run a Virtual Machine on your computer. This assignment is based on VM and use <u>Pre-built Virtual Machine Images (Ubuntu).</u>
Please follow these steps to finish this assignment.

1. Download pre-built Virtual Machine Image (SEEDUbuntu-16.04-32bit.zip) from http://jupiter.syr.edu/seed/images/16_04_v4/SEEDUbuntu-16.04-32bit.zip
2. Create a VM by using the downloaded image. There are multiple files in the downloaded package. Use "SEEDUbuntu-16.04-32bit.vmdk" for VirtualBox and still keep other files. The account name of your OS in VM should be your campus ID (see the

   following picture).
3. Run the new built VM and setup by following the manual about the VM "Ubuntu16_04_VM_Manual.pdf".
4. Do the "RSA Public-Key Encryption and Signature" by following the instruction "Crypto_RSA.pdf".
5. Please provide one screenshot for each answer. The provided screenshot should include your account name like the following picture. This part worth 50% credits of your work because this is used to identify your work.

6. Please put all your answer as well as screenshot in ONE file.

If you are using MacOS 10.13, make sure click the button in the following picture when you are installing VirtualBox.