**Unix and C Programming 03**

We reviewed the HW from last time and provided solutions to the question. Then we talked about the history of Unix and the development of Linux (see separate PDF file). Finally we saw how to install Ubuntu in a Virtual Machine provided by Sun VirtualBox and experimented with that full-fledged, complete Linux distribution. Your homework is to install a complete Linux system in a VM on your computer.

**Installation Instructions for Ubuntu on VirtualBox**

* Download and install the Sun VirtualBox software from our class website by following the default instructions
* Download the Ubuntu ISO image (or any other Linux distribution) and note the location of the downloaded file. Wait until the image is completely downloaded before continuing (it might take some time).
* Start the VirtualBox software and setup a new VM as follows:
	+ Click “New”
	+ Give your VM a name, pick Linux as OS and Ubuntu as version
	+ Pick 1024 MB as RAM
	+ Create a “new hard disk” that “dynamically expands”, and leave default size (8 GB) and name alone
	+ Click “Finish” twice and your new system will be added to the VirtualBox list
* Highlight the newly created VM and click on “Start”. The “First Run Wizard” should start:
	+ Select the Ubuntu ISO you downloaded previously as “Installation Media” by clicking on the folder icon and selecting the ISO file
	+ That’s all – click “Finish”
* Your VM will now start and the Ubuntu installation procedure will begin. You will need to answer several questions, most of which should make sense:
	+ Choose to “Install Ubuntu”
	+ Check “Download updates” and “Install 3rd Party Software”
	+ Choose “Erase and use entire Disk”
	+ Pick your time zone (should default to New York)
	+ Pick your keyboard layout (again default is fine)
	+ Enter your full name, makeup a name for this (virtual) computer, and pick a username and password. Make sure to remember that name and password otherwise you will not be able to login to your system.
	+ The installation procedure will now continue by itself and should not ask any further questions, except to reboot. It will take some time (10-15 mins) but should go smoothly.
* Eventually the system will reboot and you can login to your new system! You can now close your VM any time and pick up where it left off any time later.