

PIntos

Lab # 3



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Steps:

Following are the steps which I took for completing the task on SEECS Lab Computer:

* Firstly, install qemu using command “**sudo apt-get qemu**”after its installing run “**sudo ln -s /usr/bin/qemu-system-i386 /usr/bin/qemu**” for adding symbolic link.
* After extracting the pintos.tz file on the home, use **cd** and change destination to its src folder. There type “**nano Make.config**” to make the necessary changes.
* Make required changes using the above mentioned syntax for files pintos in utils, Make.vars and at end add it to environment variable.
* Then run command **make** and **make check** for checking the tests.
* This only runs 7 tests and fails for the rest of 20.

Following are the steps taken for installing dual boot Ubuntu:

* I followed a youtube video <https://www.youtube.com/watch?v=JvBZBfY5Pfc>
* Here I first un-allotted 130 gigabytes in my windows 10 so that it can be visible for Ubuntu.
* First problem I faced was of hard drive type. It was dynamic whereas I wanted basic type for the space to be visible to Ubuntu. So, I used EaseUS tool for hard drive related problems.
* In installation of Ubuntu 16.04, we have to set spare space equal to the amount of ram available and make a drive of the unallocated space.
* The problem I had was with wifi as I unchecked the third version software update. Then I had to install updates via lan cable for it to work.
* Moreover, I faced a lot of problems with the grub but during boot options I added “**acpi=off**” in the line containing quite splash.
* Now it works just fine.

Screenshots of lab task:





