COP 4610

Homework Assignment 2

Alejandro Vidal

PID 5913959

FIU

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Importance of this assignment:

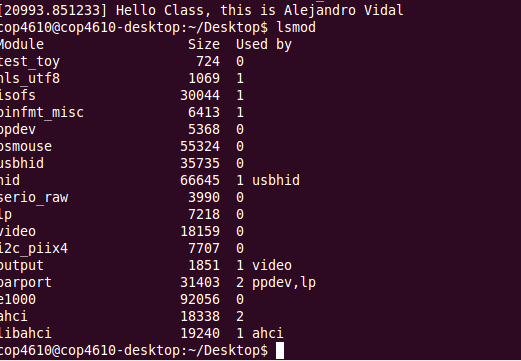
With the completion of this assignment I have learnt a lot of interesting thing and how to implementing in Linux OS.

1) Learnt how to download and install a virtual Machine using Virtual Box

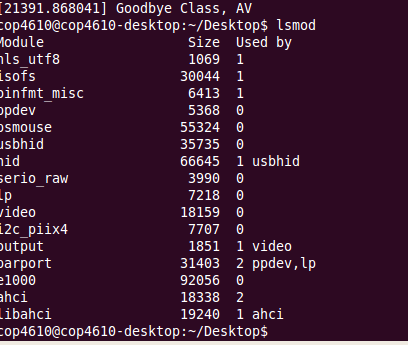
2) Learnt how to set up a new Linux OS in a Virtual Machine

3) Learnt how to download, configure, compile and install a new kernel.

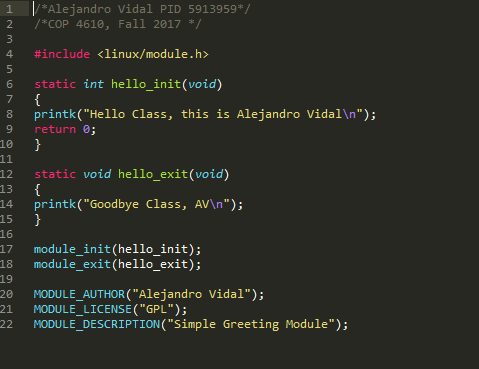
4) Learnt how to modify, compile, install, and uninstall a Loadable Kernel Module (LKM).



*Module Loaded*

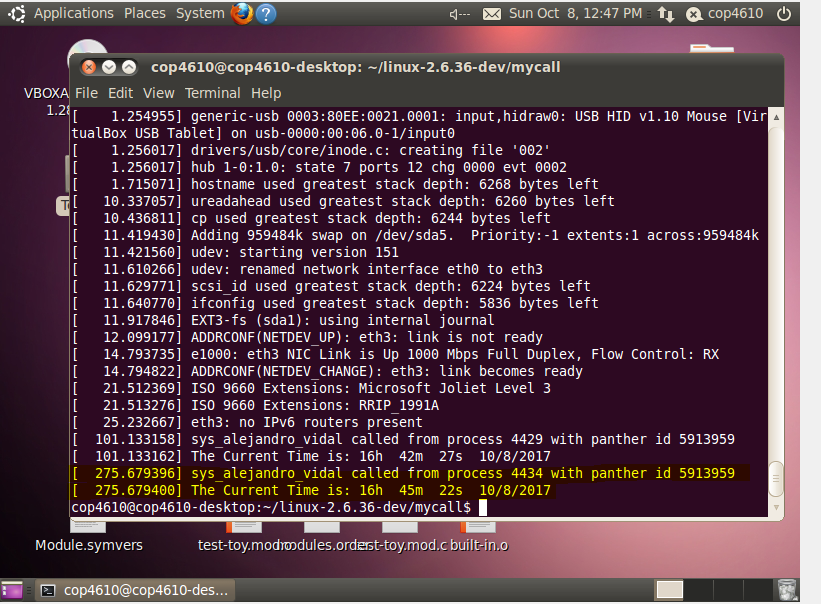
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*Unloaded Module*

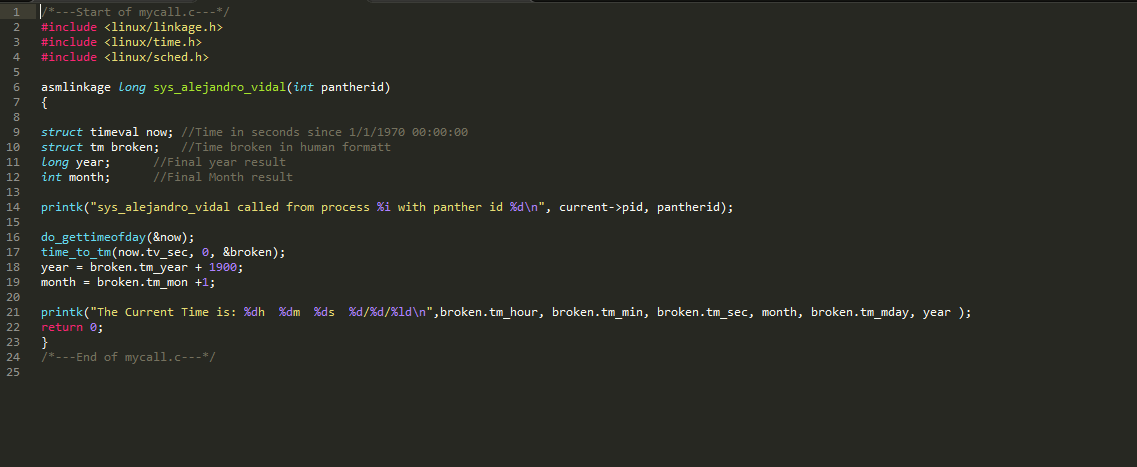
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*Module Code*

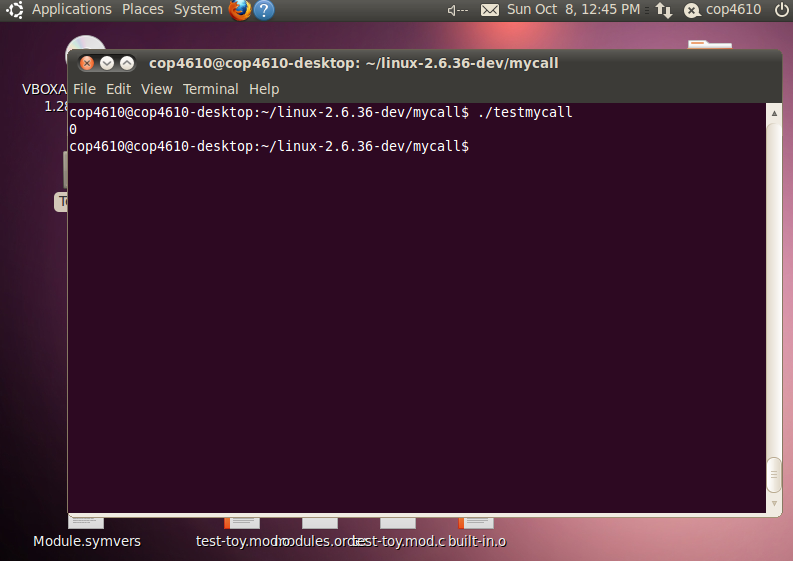
5) Learnt how to create and install a new system call the kernel



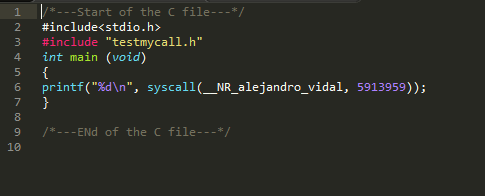
*New system call displaying the pid, panther id and the formatted current time*

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*New system call code*

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*Output at user level after calling the program to test the system call*

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*Code used to test the system call*