

HW1 -Command Line Argument Write Up

Description

To familiarize ourselves with using Linux and using the terminals to do command line arguments with our MakeFile that will help display our source code file using multiple make commands.

Steps

- In order to make my files run, using the make commands, I, first, had to make modifications to setup the necessary procedures within the MakeFile.
 - I, then, created a c file under the file name of **Feng_Denny_H1_main.c** in the document folder on Linux so it matches the MakeFile modifications.
 - Inside **the Feng_Denny_H1_main.c** , I, wrote a few lines of code to help display, command line arguments, using the code, **Hello, CSC415, I'm Denny Feng!**
1. I then executed this code using **make run**.

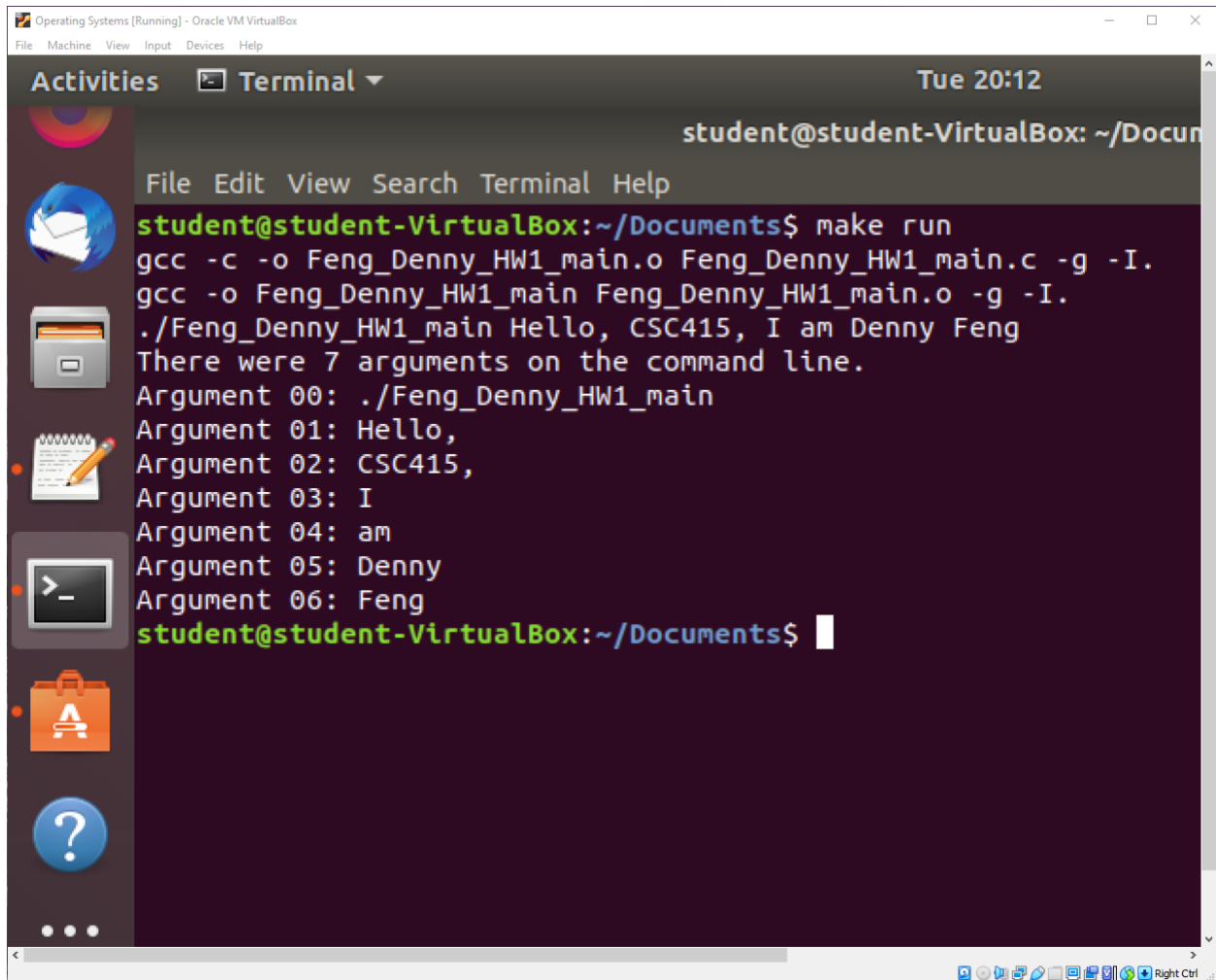
Issues

- The first issue, I came across, while setting up VirtualBox machine was an error of AMD-V is not enabled. In order for me to fix this issue, I had to manually enable Virtualization in the BIOS setting of my computer. After that, I was good to go.
- Second issue was the command, `sudo apt-get install curl` could not be executed. So, in order for me to fix this issues, was to do a few commands
- `sudo killall apt apt-get`
- `sudo rm/var/lib/apt/lists/lock`
- `sudo rm/var/lib/apt/archives/lock`
- `sudo rm/var//apt/archives/lock`
- Shortly after, I ran `sudo apt-get install curl`, once again and it worked.

Project Issues

1. However, for my project, issues I came across was forgotten how to use `%d`, `%s`, `argc`, `argv[0]`. Luckily, I was able to refresh my memory with a quick Google search on the functionalities of `printf()` using [fresh2refresh](#) website

Compilation and Execution Output



The screenshot shows a terminal window titled "Operating Systems [Running] - Oracle VM VirtualBox". The window has a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help". The terminal interface includes a top bar with "Activities", "Terminal", and the time "Tue 20:12". The prompt is "student@student-VirtualBox: ~/Documents". The terminal shows the following commands and output:

```
student@student-VirtualBox:~/Documents$ make run
gcc -c -o Feng_Denny_HW1_main.o Feng_Denny_HW1_main.c -g -I.
gcc -o Feng_Denny_HW1_main Feng_Denny_HW1_main.o -g -I.
./Feng_Denny_HW1_main Hello, CSC415, I am Denny Feng
There were 7 arguments on the command line.
Argument 00: ./Feng_Denny_HW1_main
Argument 01: Hello,
Argument 02: CSC415,
Argument 03: I
Argument 04: am
Argument 05: Denny
Argument 06: Feng
student@student-VirtualBox:~/Documents$
```

The terminal window also features a sidebar with various application icons and a system tray at the bottom right with icons for network, volume, and other system utilities.