Zhang Jiayi 120090796

how did you design your program:

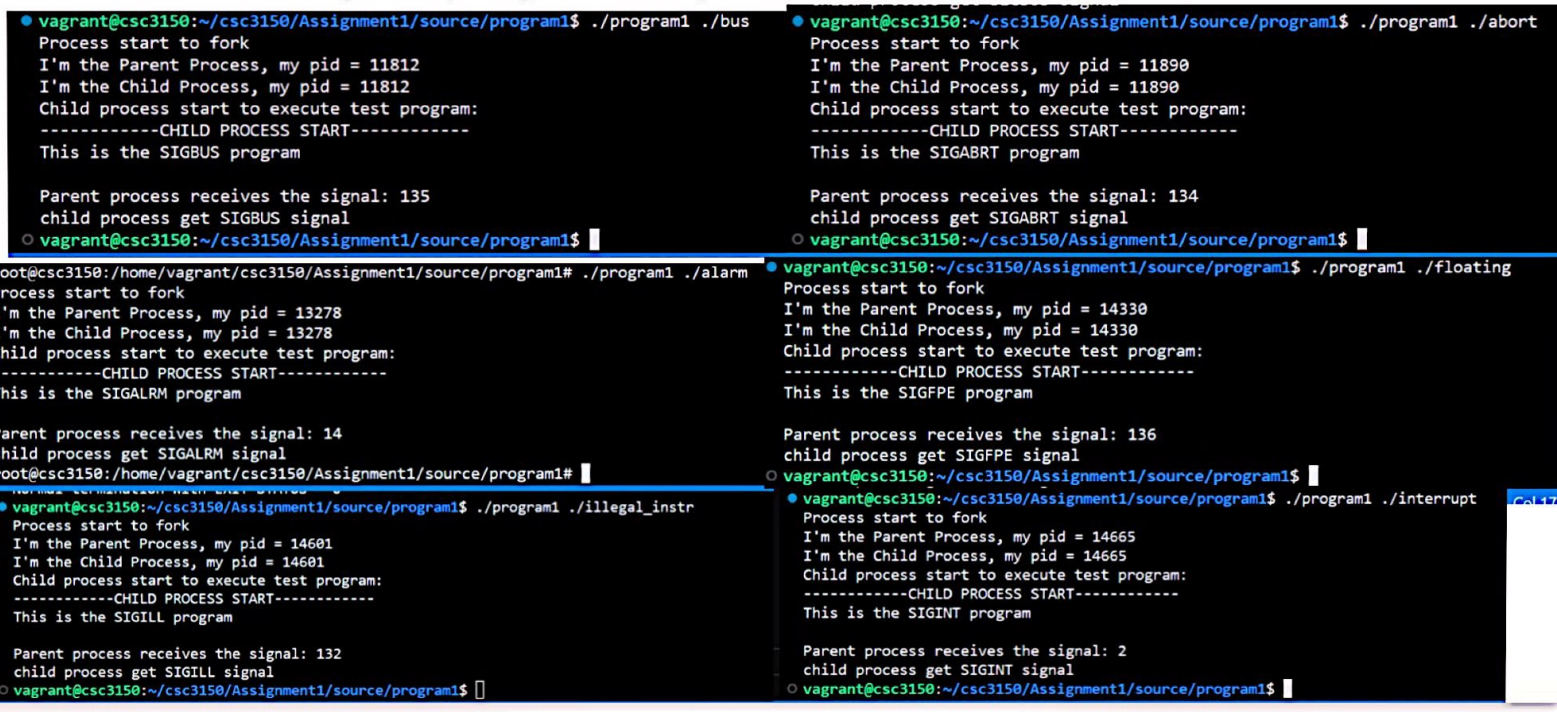
For program1, it is basically depends on tutorial2 slide and the reference website in it. But in program1, I add extra condition in order to run the tests. I assume the code in the slide had taught most of the things. All I need to do is to change some order and consider a little bit about the different conditions in the test files.

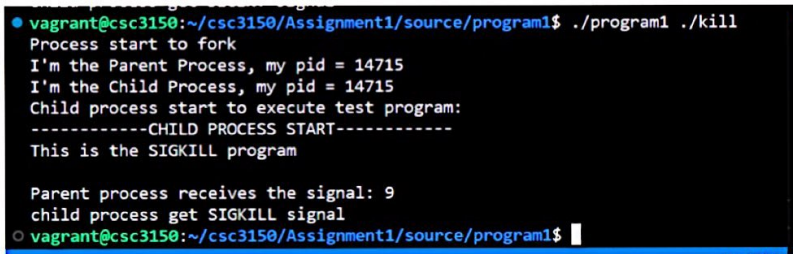
For program2, I fail to run it. When I insmod program2.ko , it always shows that "unknown symbol in module", I am not sure what is the reasons, maybe it is because of the failure of exporting, though I am pretty sure that I succeeded in exporting those functions. Still I assume there is not much wrong in my code. It took me a long time to finish coding it. It is a pity that I cannot run it. I was inspired by the tut2 a lot.

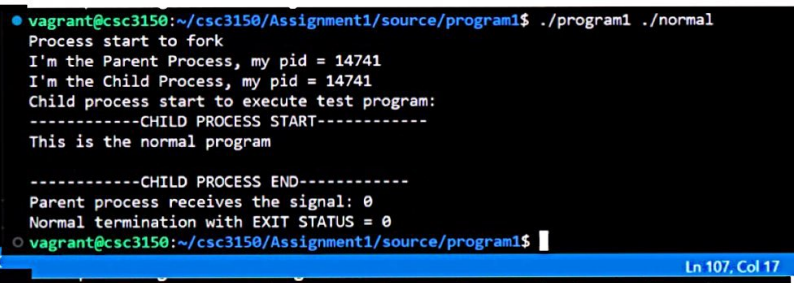
How to set up your development environment, including how to compile kernel:

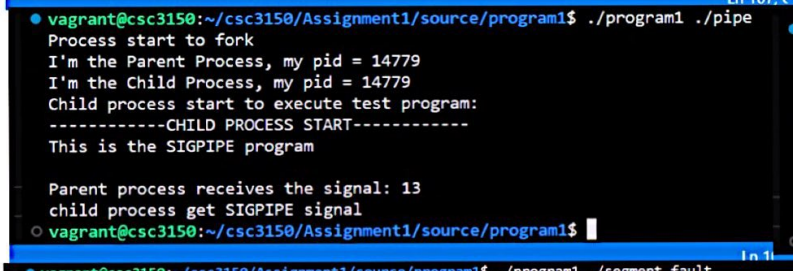
I set it up with my classmate. I think this is the hardest part of this assignment. We encounter a lot of problems. We have to search for the internet and read the slides over and over again. (It magically work out after I cry out loud.

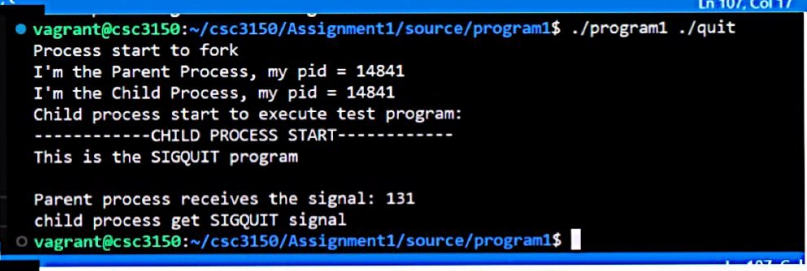
Screenshot of your program output: program 1

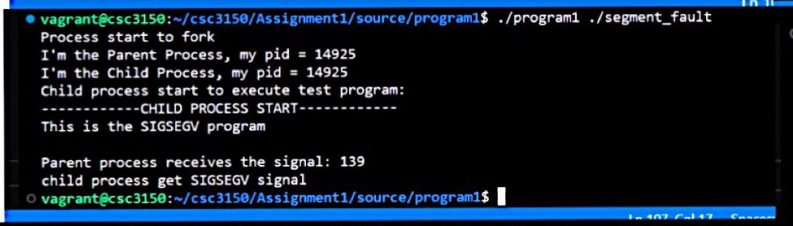


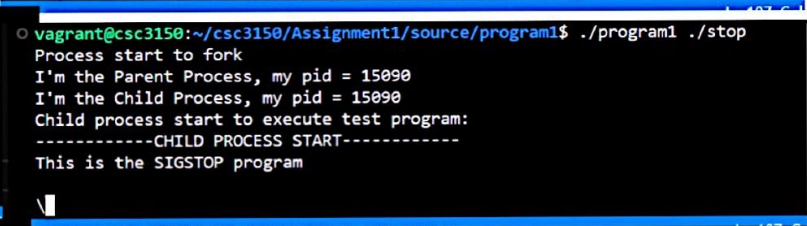


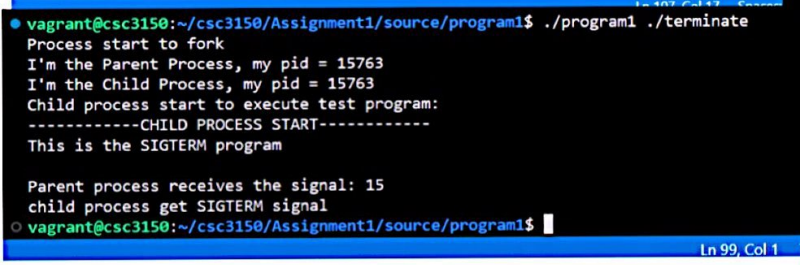


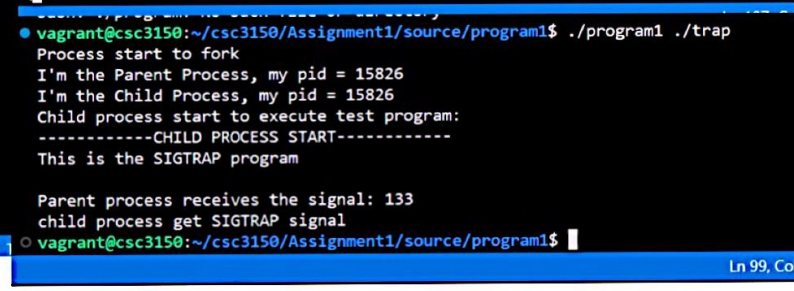












Program2 fail to insmod

What did you learn from the tasks:

I have to admit this assignment force me to learn a lot of things. For example, the instrusion of linux system.

And the basic concept of operating system.(How does os fork a parents and a child process, the connection between process and thread...)Beside that, I have deeper understanding of virtual machine and environment setting up...