How to Add a User Process in GeekOS

1. Everyone has to use lab machines for Assignment 5. Login as labuser.

2. Run "geek" command on the terminal and it will bootup GeekOS in qemu emulator.
(We are using Qemu instead of boch, in the documentation they are using boch as emulator)

3. Source code is in /opt/GeekOS directory.

How to execute new use process in GeekOS ?

First of all, look for all the library function , which we have in geekOS. All the header file is in /opt/GeekOS/include/libc , which we can use in a user program. Lets make an example program called example.c

example.c
=======
```
#include <conio.h>    //This is not C/C++ header file, this is in GeekOS
#include <sched.h>
int main()
{
        Print("Hello World !!!"); //In conio.h Print function is there.(which is similar to printf in C)
        return 0;
}
```


Put example.c in /opt/GeekOS/src/usr/

-> Whenever you are making change to some kernel code or adding a new user program then you have to build entire OS

-> Go to /opt/GeekOS/build/ directory .

-> execure "make" command in that directory.

-> After it is completed , as usual execute "geek" command from the terminal. "geek" command has been added to all the NSL system so its not directory dependent. You can execute this command on terminal directly.

-> I have already added z.c in the user directory. If you want to run this program. Simply run "z.exe" from console(in GeekOS).

When you run make command , if there is no error in you code . One associated out put file example.exe will be generated in /opt/GeekOS/build/user/.