Please read all the steps once, before you proceed, as it can saves a lot of time. Trust me ;)

* create an azure student account using iiit mail id
  + <https://azure.microsoft.com/en-in/free/students/>
* create vm with **UBUNTU 16**, 4 core [HEADS UP]
  + <https://docs.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-portal>
* Login to vm
  + Better to use <https://termius.com/> (The best ssh client)
  + ps : this is not mandatory, u can login from the terminal too.. But this tool is super amazing
  + sudo -s
    - Then you don’t have to type sudo before every line
* Download the linux kernel and extract. Install dependencies DON’T BUILD
  + <https://gist.github.com/khenidak/22ae8d6005a0906a8923554d3bc6917b>
    - Make sure you are downloading 4.19.210
  + sudo apt install bc
  + Also install **ccache** - sudo apt install ccache
* Add your system calls
  + <https://brennan.io/2016/11/14/kernel-dev-ep3/>
  + <https://stackoverflow.com/questions/53735886/how-to-pass-parameters-to-linux-system-call> (see the second answer)
* Now time to build :P
  + Follow <https://gist.github.com/khenidak/22ae8d6005a0906a8923554d3bc6917b>
  + <https://askubuntu.com/questions/1329538/compiling-the-kernel-5-11-11>
  + Instead of using make -j it’s better to use **ccache make -j5**
    - ccache is a software development tool that caches the output of C/C++ compilation so that the next time, the same compilation can be avoided and the results can be taken from the cache.
  + make -j5 modules\_install
  + make install
* Done
  + Reboot
  + Test your functions
    - Same post <https://stackoverflow.com/questions/53735886/how-to-pass-parameters-to-linux-system-call> (second answer)

Note :

Here the number of cores I have is 4, that’s why it’s make -j5. It’s better to use (nproc+1)

Happy building

Cheers :)