Lab-1(b)

FILE MANIPULATION

To create an empty file in current working directory.

$ touch filename

$ touch filename1 filename2................. filenameN

To create file new file & insert the text

$ cat > filename

....

.... (**Text**)

Ctrl +D -> Save & Exit

To view the contents of a file

$ cat filename

To remove the file

$ rm filename

$ rm filename1 filename2.......filenameN

Copy of file with different filename in same directory

$ cp filename copyfilename

To move Files/Directory

$ mv [Source file/Directory] [Destination file/Directory]

TO EDIT TEXT

$ nano filename

This will open up a space where we can immediately insert text to edit file.

To save the written text press "Ctrl +X (F2)

POWER

$ shutdown -h now -> To power off immediately

$ shutdown -h +10 -> To shut down after 10 minutes

$ shutdown -c -> To cancel the scheduled shutdown time

$ reboot -> To reboot the machine immediately

DATE & CALANDER

$ date -> Display date & time

$ cal -> Display Calendar

HELP

$ command name --help -> Getting help about specified command

SUDO

sudo: This is essential yet potentially dangerous command whenever we are getting a permission denied, authorization failed then we can use sudo.ie. User is requesting to use root permission to execute that command (i.e. running command as root).

$ sudo -s -> Switch to root ($ **exit**)

COMPILING WITH GCC

Linux come with the pre-installed in different versions. The compilers of choice on linux systems are all part of the GNU compiler collection usually known as gcc. It supports the ANIAC standard syntax for C.

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To check gcc version (installed or not)

$ gcc --version

If not

$ sudo apt install build-essential

Compile, Link & Run the program

For Compile

$ gcc -o exefile sourcefile.c

For Run (Execute)

$ ./exefile

Eg.For compile & Run

$ gcc -o hello hello.c

$ ./hello