submission-1.md

₀OS Lab Week -1

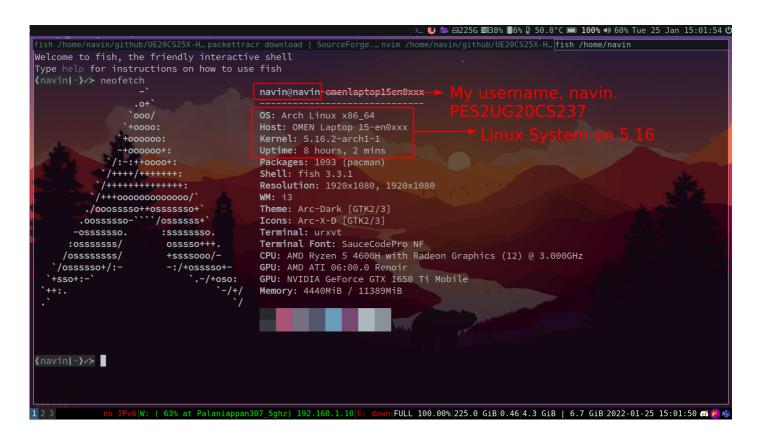
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• Section : D

• SRN: PES2UG20CS237

₀Task-1 : Create a Linux system

I have not created a VM as I run linux as my main os, a screenshot showing the same is attached below:



₀Task-2 : Installing C compiler

localhost:6419

I am using a different flavour of linux called arch linux [As inditacted in previous screenshot]. Hence the package manager use is pacman instead of apt. Screenshot:

```
[sudo] password for navin:
       gcc-11.1.0-3 is up to date -- reinstalling
resolving dependencies...
looking for conflicting packages...
Package (1) Old Version New Version Net Change Download Size
core/gcc 11.1.0-3
                                            0.00 MiB
Total Download Size: 33.93 MiB
Total Installed Size: 151.43 MiB
Net Upgrade Size:
                          0.00 MiB
: Proceed with installation? [Y/n]
:: Retrieving packages...
                                                     33.9 MiB 14.3 MiB/s 00:02
 gcc-11.1.0-3-x86_64
(1/1) checking keys in keyring
                                                                                                                                    1009
(1/1) checking package integrity
                                                                                                                                    100%
(1/1) loading package files
(1/1) checking for file conflicts
:: Processing package changes... (1/1) reinstalling gcc
 :: Running post-transaction hooks...
(1/3) Arming ConditionNeedsUpdate...
 (2/3) Checking which packages need to be rebuilt
 3/3) Updating the info directory file...
   vin[~}√≻
```

₀Task-3 : creation of sample program

Screenshots for writing[Using neovim(nvim) instead of vim], compiling and excution screenshots:

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```
ne/navin/github/UE20CS25X-HandsOn/UE20CS254cOSLABt
  #include<stdio.h>
    printf("Hello world! \n ");
set-1/1prog.c
⟨navin|~}*> cd <u>github/</u>
⟨navin|~/github}
cd UE20CS25X-Hands0n/
{navin|~/github/UE20CS25X-HandsOn(git:main)}
cd UE20CS254-OSLAB/
(navin| <del>/github/UE20C</del>S2EX=HandaQn/JE296S2F4¬PSJ4B(gittmain)}<> dir
set-1
{navin|~/github/UE20CS25X-HandsOn/UE20CS254-OSLAB(git:main)}
nvim
⟨navin|~/github/UE20CS25X-HandsOn/UE20CS254-OSLAB(git:main)}
cd set-1/
{navin|~/github/UE20CS25X-HandsOn/UE20CS254_OSLAB/set-1(git:main)}√≻ gcc *.c

⟨navin|~/github/UE20CS25X-HandsOn/UE20CS254-USLAB/Sed-I(git:main)}
√> ./a.out

Hello world!
(navin|~/github/UE20CS25X-HandsOP/UE206S254-09LAE/B699[@ft:main)}
```

₀Task-4 : 5 linux shell commands

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localhost:6419 4/4