G. M. Refatul Islam

20101482

For Task 1:

$ doas su (doas is unbloated version of sudo)

$ mkdir Box1 Box2 Box3

$ ls -l

$ touch key1.txt key2.txt key3.txt

$ cp key1.txt key2.txt Box1

$ ls -l Box1

$ mv key3.txt Box2

$ cp -r Box1 Box3

$ cd Box3

$ ls -l

$ chmod ug-w Box1

$ cd Box1

$ chmod ug-w key1.txt key2.txt

$ cd ..

$ pwd

$ ls -l

$ mv Box3 /

$ rm -rf *

For Task 2:

$ grep 'Hello' hello.txt | wc -l

For Task3:

A hard link acts as a copy or mirrored of the selected file and a soft link (also known as Symbolic link) acts as a pointer or a reference to that selected file name. For example if the selected file is deleted, the hard link to the file will still contain the data of that file but in case of soft link, If the earlier file is deleted the soft link will be pointing to a file that does not exist anymore.

For Task4:

$ touch firstone.txt

$ ln -s firstone.txt second.txt

For Task5:

$ ls -al

For Task6:

$ head -21 a.txt | tail -7

(here, I first printed 21 lines and then printed last (21-15) lines)

I use arch btw :)

```
[refat@TUF] → ~ neofetch
                    /-                          refat@TUF
                  ooo:                          ---------
                yoooo/                          OS: ArcoLinux
               yooooooo                         Host: TUF Gaming FX505DT_FX505DT 1.0
              yooooooooo                        Kernel: 5.14.14-arch1-1
             yoooooooooooo                      Uptime: 13 hours, 12 mins
           .yoooooooooooooo                     Packages: 1245 (pacman)
          .oooooooooooooooooo                   Shell: zsh 5.8
         .ooooooorcoooooooo                     Resolution: 1920x1080
        .ooooooooo-oooooooooo                   WM: awesome
       .ooooooooo-   ooooooooooo                Icons: Surfn-Numix-Polo [GTK2/3]
      :ooooooooo.       :ooooooooo              Terminal: alacritty
     :ooooooooo.          :ooooooooo            CPU: AMD Ryzen 5 3550H with Radeon Vega Mobile Gfx (8) @ 2.100GHz
    :oooarcooo             .oooarcooo           GPU: NVIDIA GeForce GTX 1650 Mobile / Max-Q
    :ooooooooy               .ooooooooo         GPU: AMD ATI 05:00.0 Picasso
   :ooooooooo    /oooooooooooooooooooo          Memory: 2973MiB / 15433MiB (19%)
  :ooooooooo        .-ooooooooooooooooo.        GPU Driver: NVIDIA 470.74
 ooooooooo-                -ooooooooooooo.
 ooooooooo-                   .-ooooooooo.
ooooooooo.                      -ooooooooo
```