[CS250]-Operating System Spring 2021-2022

Homework:2

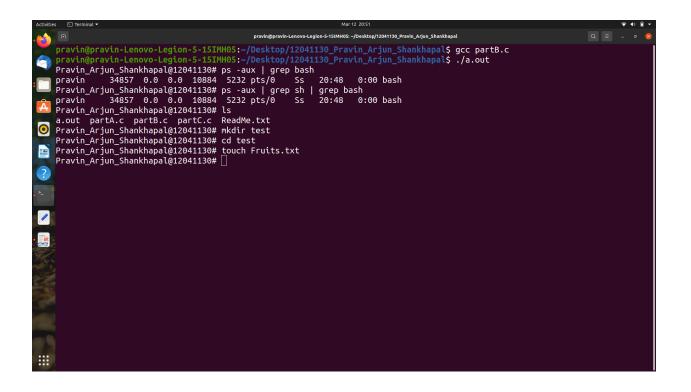
Name: Pravin Arjun Shankhapal Roll no: 12041130

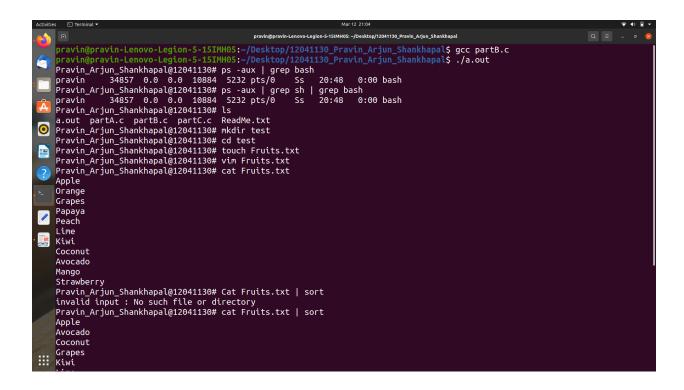
## Part A:

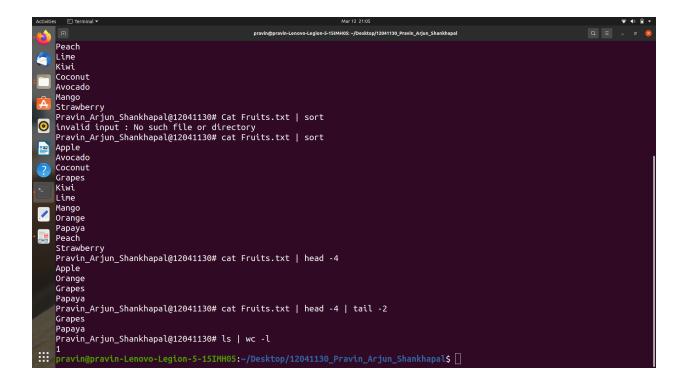
```
pravin@pravin-Lenovo-Legion-5-15IMH05:~/Desktop/12041130_Pravin_Arjun_Shankhapal$ gcc partA.c
pravin@pravin-Lenovo-Legion-5-15IMH05:~/Desktop/12041130_Pravin_Arjun_Shankhapal$ ./a.out
    Pravin_Arjun_Shankhapal@12041130# ps
                           TIME CMD
00:00:00 bash
         PID TTY
       33232 pts/0
       33422 pts/0
                           00:00:00 a.out
       33427 pts/0
                           00:00:00 ps
Pravin_Arjun_Shankhapal@12041130# ls
   a.out partA.c partB.c partC.c ReadMe.txt
Pravin_Arjun_Shankhapal@12041130# netstat
   Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address
                                                                Foreign Address
    tcp
                             0 pravin12.iitbhila:56374 ec2-54-244-16-100:https ESTABLISHED
                             0 pravin12.iitbhila:59194 239.237.117.34.bc:https ESTABLISHED
    tcp
udp
                             0 pravin12.iitbhil:bootpc 10.1.72.7:bootps
                                                                                                 ESTABLISHED
   Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags Type State
                                      Type
DGRAM
                                                                        I-Node
                                                                                     /run/user/1000/systemd/notify
/run/systemd/notify
                                                                        43703
    unix
                                      DGRAM
    unix
                                                                        26983
                                                                                     /run/systemd/journal/syslog
/run/systemd/journal/dev-log
/run/systemd/journal/socket
/run/wpa_supplicant/wlp0s20f3
    unix
                                      DGRAM
                                                                        26997
                                                                        27007
    unix
            17
                                      DGRAM
    unix
                                      DGRAM
                                                                         27011
                                                                        467912
                                      DGRAM
    unix
    unix
                                      STREAM
                                                     CONNECTED
                                                                         398771
    unix
            3
                                      STREAM
                                                     CONNECTED
                                                                        388130
                                      STREAM
                                                     CONNECTED
    unix
                                                                        41926
∷ unix
                                      STREAM
                                                     CONNECTED
                                                                        52881
                                                                                     @/tmp/.X11-unix/X0
```

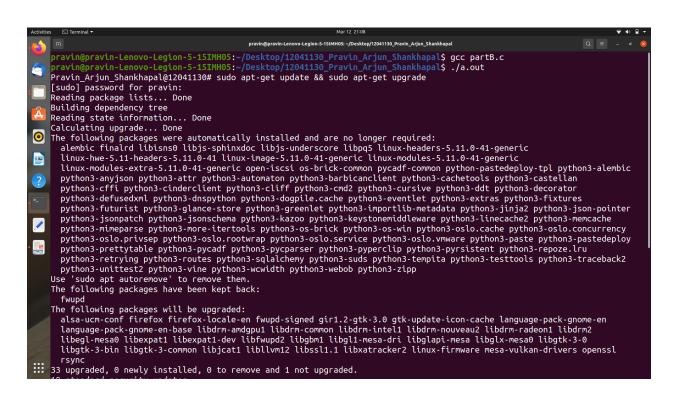
```
vin-Lenovo-Legion-5-15IMH05: ~/Desktop/12041130_Pravin_Arjun_Shankhapal
    unix
                                    STREAM
                                                  CONNECTED
                                                                    38950
    unix
                                    STREAM
                                                  CONNECTED
                                                                    257912
                                    STREAM
                                                  CONNECTED
                                                                    46888
    unix
                                                                    54371
                                                                               /run/user/1000/bus
    unix
                                    STREAM
                                                  CONNECTED
                                                                    50776
    unix
                                    STREAM
                                                  CONNECTED
    unix
                                   STREAM
                                                  CONNECTED
                                                                    46822
   unix
                                    SEQPACKET
                                                  CONNECTED
                                                                    424605
                                    STREAM
                                                                    356747
                                                  CONNECTED
   unix
                                                                               /run/user/1000/bus
   unix
                                    STREAM
                                                  CONNECTED
                                                                    46990
CONNECTED
                                    STREAM
                                                                    42698
   unix
                                   STREAM
   unix
                                                  CONNECTED
                                                                    49618
   Pravin_Arjun_Shankhapal@12041130# mkdir test
Pravin_Arjun_Shankhapal@12041130# ls
    a.out partA.c partB.c partC.c ReadMe.txt test
Pravin_Arjun_Shankhapal@12041130# cd test
Pravin_Arjun_Shankhapal@12041130# touch temp.txt
Pravin_Arjun_Shankhapal@12041130# ls
    temp.txt
    Pravin_Arjun_Shankhapal@12041130# pwd
    /home/pravin/Desktop/12041130_Pravin_Arjun_Shankhapal/test
    Pravin_Arjun_Shankhapal@12041130# rm temp.txt
   Pravin_Arjun_Shankhapal@12041130# rM temp.txt
Pravin_Arjun_Shankhapal@12041130# rmdir test
Pravin_Arjun_Shankhapal@12041130# ls
    a.out partA.c partB.c partC.c ReadMe.txt
    Pravin_Arjun_Shankhapal@12041130# exit
   pravin@pravin-Lenovo-Legion-5-15IMH05:~/Desktop/12041130_Pravin_Arjun_Shankhapal$ 🗌
```

## Part B:









## Part C:

