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Course: MCS 172 - Lab Test 03

File1.txt a.out excute execution.c fdBhv.c q1.sh rd reader.c writer.c wrt

Question 01 - A:

kumarraj@kumarraj:~/MCS_172/LabTest3\$ ls

Enter the name of dir to create:CATT3

kumarraj@kumarraj:~/MCS_172/LabTest3\$ bash q1.sh

O Ubuntu 20.04 LTS

```
cp: -r not specified; omitting directory 'CATT3'
                                                                               NODE NAME
Listing all current open files:COMMAND PID USER
                                             FD TYPE DEVICE SIZE
        1 root cwd DIR 0,2 512 23925373020436272 /
init
                           0,2
init
        1 root rtd
                      DTR
                                  512 23925373020436272
init
        1 root txt
                      REG
                             0,2 631968 97108866965206885 /init
                           0,0
init
        1 root mem
                                                  30565 /init (path dev=0,2, inode=97108866965206885)
                      REG
init
        1 root NOFD
                                                       /proc/1/fd (opendir: Permission denied)
                                 512 23925373020436272 /
init
        7 root cwd
                      DIR 0,2
                                 512 23925373020436272 /
        7 root rtd
init
                      REG 0,2 631968 97108866965206885 /init
REG 0,0 30565 /init
init
        7 root txt
init
        7 root mem
                                                 30565 /init (path dev=0,2, inode=97108866965206885)
init
        7 root NOFD
                                                       /proc/7/fd (opendir: Permission denied)
                                 512 23925373020436272 /
512 23925373020436272 /
       203 root cwd
                      DIR
                            0,2
init
init
       203 root rtd
                      DIR
                             0,2
init
       203 root txt
                             0,2 631968 97108866965206885 /init
                                                30565 /init (path dev=0,2, inode=97108866965206885)
init
       203 root mem
                      REG
                             0,0
init
       203 root NOFD
                                                       /proc/203/fd (opendir: Permission denied)
kumarraj@kumarraj:~/MCS_172/LabTest3$ ls
CATT3 File1.txt a.out excute execution.c fdBhv.c q1.sh rd reader.c writer.c wrt
kumarraj@kumarraj:~/MCS_172/LabTest3$
Question 01 - B:
O Ubuntu 20.04 LTS
kumarraj@kumarraj:~/MCS_172/LabTest3$ gcc execution.c -o excute
kumarraj@kumarraj:~/MCS_172/LabTest3$ gcc fdBhv.c -o fdbh
fdBhv.c: In function 'fd exec':
fdBhv.c:84:5: warning: null argument where non-null required (argument 2) [-Wnonnull]
           execv("./excute", NULL);
   84 l
kumarraj@kumarraj:~/MCS_172/LabTest3$ ./fdbh
_____
       Menu
1.Fork
2.Exec
3.Exit
_____
Enter your choice:1
File opened succesfully...
This is child writing to the file with fd = 3
This is parent writing to the file with fd = 3
Enter your choice:2
File opened succesfully...
FD of current fdBhv is = 4
Hey raj, you are currently executing execution.c program
PID ofexecution.c = 470
FD of new prg execution.c is = 4
kumarraj@kumarraj:~/MCS_172/LabTest3$ cat File.txt
cat: File.txt: Permission denied
kumarraj@kumarraj:~/MCS_172/LabTest3$ chmod 744 *
kumarraj@kumarraj:~/MCS_172/LabTest3$ cat File.txt
kumarraj@kumarraj:~/MCS_172/LabTest3$ cat File2.txt
EXEC
This is from exec
kumarraj@kumarraj:~/MCS_172/LabTest3$
```

Question 02:

