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BSCS 3A - Operating Systems Documentation

Machine Exercise 1

Exercise 1 V1:

```
-----File-Copier-Program-V1-----
Enter source file name: file1.txt
Enter destination file name: file2.txt
Successfully copied data
```

[illegible]

```
read(0, file1.txt
"file1.txt\n", 255)          = 10
openat(AT_FDCWD, "file1.txt", O_RDONLY) = 3
write(1, "Enter destination file name: ", 29Enter destination file name: ) = 29
read(0, file2.txt
"file2.txt\n", 255)          = 10
openat(AT_FDCWD, "file2.txt", O_WRONLY|O_CREAT|O_TRUNC, 0666) = 4
read(3, "H", 1)              = 1
write(4, "H", 1)              = 1
read(3, "e", 1)              = 1
write(4, "e", 1)              = 1
read(3, "l", 1)              = 1
write(4, "l", 1)              = 1
read(3, "l", 1)              = 1
write(4, "l", 1)              = 1
read(3, "o", 1)              = 1
write(4, "o", 1)              = 1
read(3, " ", 1)              = 1
write(4, " ", 1)              = 1
read(3, "W", 1)              = 1
write(4, "W", 1)              = 1
read(3, "o", 1)              = 1
write(4, "o", 1)              = 1
read(3, "r", 1)              = 1
write(4, "r", 1)              = 1
read(3, "l", 1)              = 1
write(4, "l", 1)              = 1
read(3, "d", 1)              = 1
write(4, "d", 1)              = 1
read(3, "", 1)               = 0
write(1, "Successfully copied data\n", 25Successfully copied data
) = 25
close(3)                     = 0
close(4)                     = 0
exit_group(0)                 = ?
+++ exited with 0 +++
michaelcanonizado@LAPTOP-USIQ9ECR:/mnt/c/Michael Root/Code/Repositories/bicol-university-activities/CS114_operat
ing-systems/machine-emichaelcanonizado@LAPmimimimimimimimimimimimimimimimimimimimimimimimimimimimimimimi
michaelcanonizado@LAPTOP-USIQ9ECR:/mnt/c/Michael Root/Code/Repositories/bicol-university-activities/CS114_operat
ing-systems/machine-exercise-1$ |
```


Machine Exercise 2 A:

```
mael@mael-ya:~/hmc/C/cam/BIGCC an
[PARENT] : PID 79039, PPID 78319
[CHILD] : PID 79040, PPID 79039
[PARENT] : PID 79039, PPID 78319
[CHILD] : PID 79040, PPID 79039
[CHILD] : PID 79040, PPID 79039
[PARENT] : PID 79039, PPID 78319
[CHILD] : PID 79040, PPID 79039
[PARENT] : PID 79039, PPID 78319
[PARENT] : PID 79039, PPID 78319
[CHILD] : PID 79040, PPID 79039
[PARENT] : PID 79039, PPID 78319
[CHILD] : PID 79040, PPID 79039
[PARENT] : PID 79039, PPID 78319
[CHILD] : PID 79040, PPID 79039
[CHILD] : PID 79040, PPID 79039
[PARENT] : PID 79039, PPID 78319
[PARENT] : PID 79039, PPID 78319
[CHILD] : PID 79040, PPID 79039
[PARENT] : PID 79039, PPID 78319
[CHILD] : PID 79040, PPID 79039
```

Machine Exercise 2 B:

```
[PARENT]: PID 79122, waits for child with PID 79123
[CHILD]: PID 79123, starts counting:
[CHILD] : i = 1
[CHILD] : i = 2
[CHILD] : i = 3
[CHILD] : i = 4
[CHILD] : i = 5
[CHILD] : i = 6
[CHILD] : i = 7
[CHILD] : i = 8
[CHILD] : i = 9
[CHILD] : i = 10
[PARENT]: Child with PID 79123 finished and unloaded
```

Machine Exercise 3:

```
maeryu@maeryu:~/mnc/c/cdm/bicob-university-activities/CS114_
Enter a string : Hello World!
PARENT(79272) : Sending [ Hello World! ] to CHILD(79273)
CHILD(79273) : Recieved message
CHILD(79273) : Reversing the case of the string
CHILD(79273) : Sending string to PARENT(79272)
PARENT(79272): Received [ hELLO wORLD! ] from CHILD(79273)
```