Operating Systems

Momina Atif Dar P18-0030

Section: B

Assignment 02

1.

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File Edit View Selection Find Packages Help

getids.c fork.c forkexample.c

#include <stdlib.h>
#include <stdlib.h>
#include <stdlib.h>

#include <stdlib.h>

#int main(int argc, char **argv){

printf("My Process ID is %d\n", getpid());

printf("My Parent's Process ID is %d\n", getppid());

exit(0);

assign2/getids.c 8:11

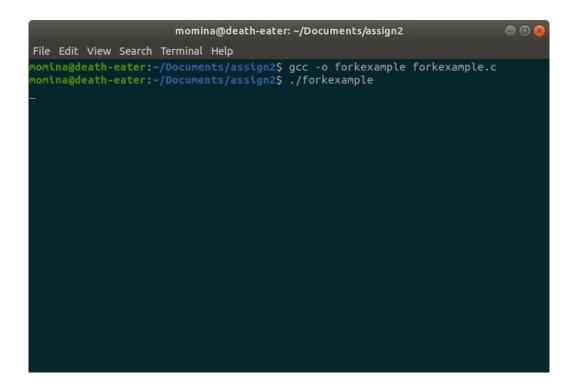
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momina@death-eater: ~/Documents/assign2 File Edit View Search Terminal Help momina@death-eater:~/Documents/assign2\$ gcc -o getids getids.c momina@death-eater:~/Documents/assign2\$./getids My Process ID is 3530 My Parent's Process ID is 2328 momina@death-eater:~/Documents/assign2\$./getids My Process ID is 3531 My Parent's Process ID is 2328 momina@death-eater:~/Documents/assign2\$./getids My Process ID is 3532 My Parent's Process ID is 2328 momina@death-eater:~/Documents/assign2\$./getids My Process ID is 3535 My Parent's Process ID is 2328 momina@death-eater:~/Documents/assign2\$./getids My Process ID is 3539 My Parent's Process ID is 2328 momina@death-eater:~/Documents/assign2\$./getids My Process ID is 3540 My Parent's Process ID is 2328 momina@death-eater:~/Documents/assign2\$./getids My Process ID is 3541 My Parent's Process ID is 2328

momina@death-eater:~/Documents/assign2\$

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fork.c — ~/Documents/assign2 — Atom
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File Edit View Selection Find Packages Help
            fork.c
1 #include <stdlib.h>
   #include <unistd.h>
3 #include <sys/wait.h>
4 #include <stdio.h>
   int main(int argc, char **argv){
     int pid;
     pid = fork();
     if (pid==-1){
       perror("Error");
     else if (pid==0){
       printf("In Child %d\n", getpid() );
     else{
       wait(NULL);
       printf("Parent's PID: %d\n", getppid() );
       printf("Child's PID: %d\n", getpid() );
     sleep(1);
     exit(0);
~/Documents/assign2/fork.c 20:16
```

momina@death-eater: ~/Documents/assign2 File Edit View Search Terminal Help momina@death-eater:~/Documents/assign2\$ gcc -o fork fork.c momina@death-eater:~/Documents/assign2\$./fork In Child 2748 Parent's PID: 2216 Child's PID: 2747 ^[[Amomina@death-eater:~/Documents/assign2\$./fork In Child 2750 Parent's PID: 2216 Child's PID: 2749 momina@death-eater:~/Documents/assign2\$./fork In Child 2752 Parent's PID: 2216 Child's PID: 2751 momina@death-eater:~/Documents/assign2\$./fork In Child 2758 Parent's PID: 2216 Child's PID: 2757 momina@death-eater:~/Documents/assign2\$./fork In Child 2760 Parent's PID: 2216 Child's PID: 2759 momina@death-eater:~/Documents/assign2\$ _



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