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SYSTEM CALLS

PROGRAM:

```c
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>

int main() {
    pid_t pid;

    pid = fork();

    if (pid == -1) {
        printf("CHILD PROCESS NOT CREATED\n");
        exit(0);
    }

    printf("THIS LINE EXECUTED TWICE\n");

    if (pid == 0) {
        printf("Child Process:\n");
        printf("Process ID of child: %d\n", getpid());
        printf("Parent Process ID of child: %d\n", getppid());
    } else {
        printf("Parent Process:\n");
        printf("Process ID of parent: %d\n", getpid());
        printf("Parent's Parent Process ID: %d\n", getppid());
    }

    printf("IT CAN BE EXECUTED TWICE\n");

    return 0;
}
```

OUTPUT:

```
[cse66@localhost ~]$ gcc systemcalls.c -o systemcalls
[cse66@localhost ~]$
[cse66@localhost ~]$ ./systemcalls
THIS LINE EXECUTED TWICE
Parent Process:
Process ID: 3652
Parent's Parent Process ID: 2438
IT CAN BE EXECUTED TWICE
THIS LINE EXECUTED TWICE
Child Process:
Process ID: 3653
Parent Process ID: 1
IT CAN BE EXECUTED TWICE
[cse66@localhost ~]$ []
```