OPERATING SYSTEM - CS23431

EXP 5

SYSTEM CALLS

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PROGRAM:

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

int main() {
    int p;


    p = fork();

    if (p == -1) {
        printf("Child process not created\n");
        exit(1);
    }

    if (p == 0) {
        printf("Process ID of child process is: %d\n", getpid());
        printf("Parent process ID of child process is: %d\n", getppid());
    }

    if (p > 0) {
        printf("Process ID of parent process is: %d\n", getpid());
        printf("Parent process ID of parent process is: %d\n", getppid());
    }

    printf("This line can be executed by both parent and child process\n");

    return 0;
}
```

OUTPUT:

```
Process ID of parent process is: 33370
Parent process ID of parent process is: 33369
This line can be executed by both parent and child process
Process ID of child process is: 33374
Parent process ID of child process is: 33370
This line can be executed by both parent and child process
```