

# **OPERATING SYSTEM - CS23431**

## **EXP 5**

### **SYSTEM CALLS**

**NAME: MONISH G**

**ROLL NO: 230701196**

#### **PROGRAM:**

```
#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
```