

ROLL NO: 230701036

System Calls Programming

To experiment system calls using fork(), execlp() and pid() functions.

```
#include<stdio.h>
#include<stdlib.h>
#include <sys/types.h>
#include <unistd.h>
int main(){
    pid_t pid;
    pid=fork();
    printf("This line executed twice\n");
    if( pid == -1){
        printf("Child proceess not created\n");
        exit(0);
    }
    if(pid == 0){
        printf("parent: getpid=%d,getppid= %d\n",getpid(), getppid());
    }
    else{
        printf("child: getpid=%d, getppid=%d\n",getpid(),getppid());
    }
    printf("IT can be executed twice\n");
}

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-- INSERT --
```

OUTPUT:

```
[cse36@localhost ~]$ vi exp5systemcall.c
[cse36@localhost ~]$ cc exp5systemcall.c
[cse36@localhost ~]$ ./a.out
This line executed twice
child: getpid=2945, getppid=1373
IT can be executed twice
This line executed twice
parent: getpid:2946,getppid= 1
IT can be executed twice
[cse36@localhost ~]$
```