

Expt No.:3.1

PAUL THOMAS S4 CSE B 30

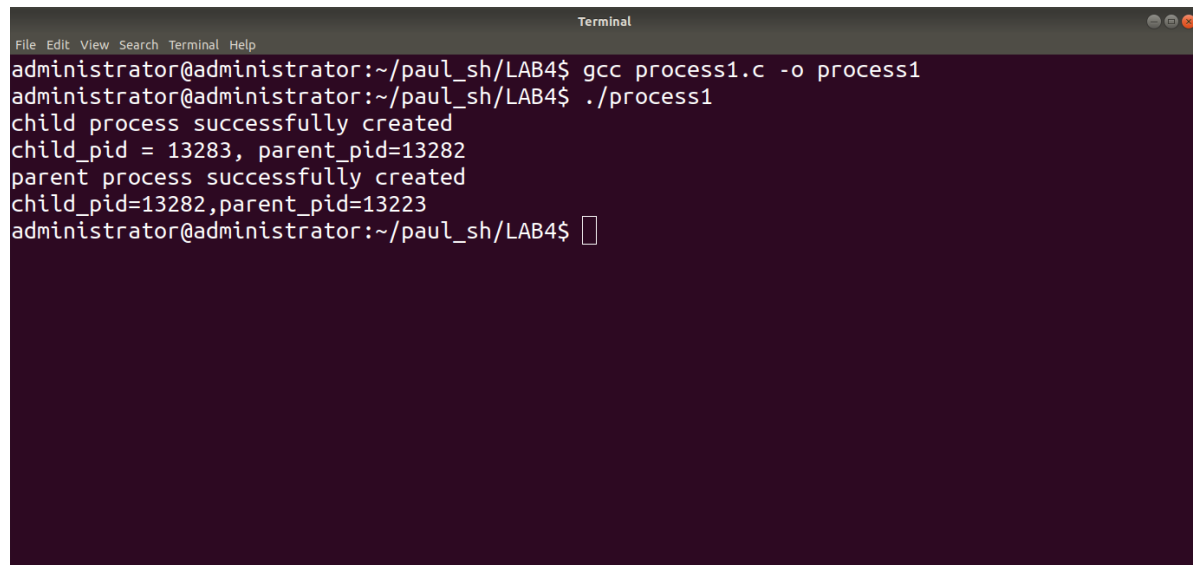
Program for System Calls of UNIX OS (fork, getpid, exit)

**Program:**

```
#include<unistd.h>
#include<sys/types.h>
#include<sys/wait.h>
#include<stdio.h>

int main(){
    pid_t child_pid;
    child_pid=fork();
    if(child_pid<0){
        printf("Fork failed");
        return 1;
    }
    else if(child_pid==0){
        printf("child process successfully created\n");
        printf("child_pid = %d, parent_pid=%d\n",getpid(),getppid());
    }
    else{
        wait(NULL);
        printf("parent process successfully created\n");
        printf("child_pid=%d,parent_pid=%d\n",getpid(),getppid());
    }
    return 0;
}
```

**OUTPUT:**



```
Terminal
File Edit View Search Terminal Help
administrator@administrator:~/paul_sh/LAB4$ gcc process1.c -o process1
administrator@administrator:~/paul_sh/LAB4$ ./process1
child process successfully created
child_pid = 13283, parent_pid=13282
parent process successfully created
child_pid=13282,parent_pid=13223
administrator@administrator:~/paul_sh/LAB4$
```