

## Assignment: 5.1 & 5.2

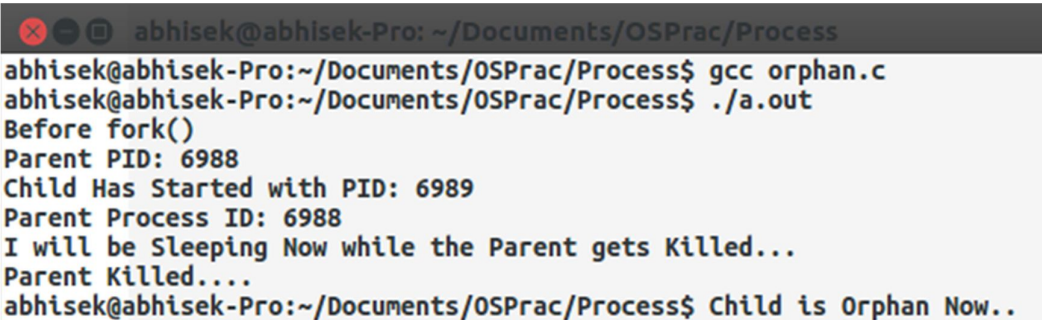
**Aim:** Write a program to know the PID and PPID of child and parent. Create an orphan process.

### Pseudo Code:

Note: A Process is called orphan process when its parent process dies or killed.

```
id=fork();
if(id==0)
{
    printf("Child Has Started with PID: %d\n",getpid());
    printf("Parent Process ID: %d\n",getppid());
    printf("I will be Sleeping Now while the Parent gets Killed...\n");
    sleep(10);
    printf("Child is Orphan Now..\n");
}
else
{
    printf("Parent PID: %d\n",getpid());
    sleep(5);
    printf("Parent Killed....\n");
}
```

### Sample Output:



```
abhishek@abhishek-Pro: ~/Documents/OSPrac/Process
abhishek@abhishek-Pro:~/Documents/OSPrac/Process$ gcc orphan.c
abhishek@abhishek-Pro:~/Documents/OSPrac/Process$ ./a.out
Before fork()
Parent PID: 6988
Child Has Started with PID: 6989
Parent Process ID: 6988
I will be Sleeping Now while the Parent gets Killed...
Parent Killed....
abhishek@abhishek-Pro:~/Documents/OSPrac/Process$ Child is Orphan Now..
```