

Name: Om Jadhav
Roll No: I3275
Batch: T8

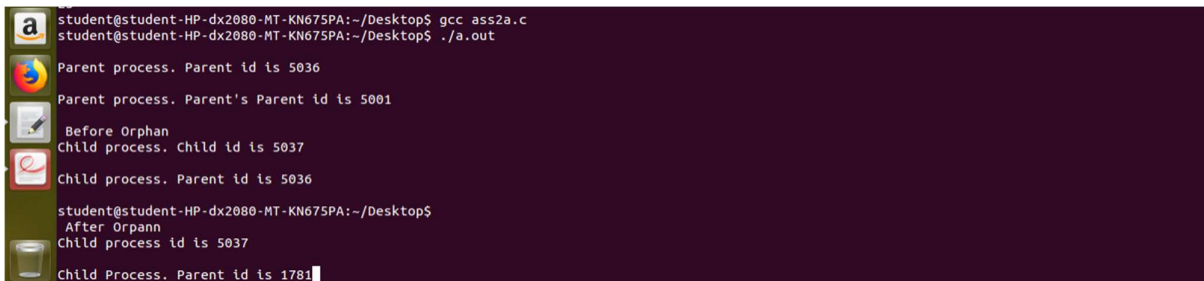
Assignment 2-A

CODE:

2-A: Orphan

```
#include<stdio.h>
#include<stdlib.h>
#include<unistd.h>
#include<sys/types.h>
int main()
{
    int pid;
    pid = fork();
    if(pid==0)
    {
        //orphan State
        printf("\n Before Orphan");
        printf("\nChild process. Child id is %d \n",getpid());
        printf("\nChild process. Parent id is %d\n",getppid());
        printf("\n");
        sleep(5);
        printf("\n After Orphan");
        printf("\nChild process id is %d \n",getpid());
        printf("\nChild Process. Parent id is %d",getppid());
    }
    else
    {
        printf("\nParent process. Parent id is %d \n",getpid());
        printf("\nParent process. Parent's Parent id is %d \n",getppid());
    }
}
```

OUTPUT:



```
student@student-HP-dx2080-MT-KN675PA:~/Desktop$ gcc ass2a.c
student@student-HP-dx2080-MT-KN675PA:~/Desktop$ ./a.out
Parent process. Parent id is 5036
Parent process. Parent's Parent id is 5001
Before Orphan
Child process. Child id is 5037
Child process. Parent id is 5036
student@student-HP-dx2080-MT-KN675PA:~/Desktop$
After Orphan
Child process id is 5037
Child Process. Parent id is 1781
```