Friday, October 23, 2020 12:00 PM

### Date: 23-10-20

# Aim: Observe Orphan and Zombie process.

## Source code:

Understood parent, child, orphan child and zombie process C file:

### Printed the PID and PPID for the child process

```
acer@Shravani ~

$ pwd
/home/acer

acer@Shravani ~

$ cd lab10

acer@Shravani ~/lab10

$ gcc pid.c -o pid

acer@Shravani ~/lab10

$ ./pid
I am a parent, my PID= 1996
my PPID= 1982

acer@Shravani ~/lab10

$ I am a child, my PID= 1997
my PPID= 1
```

#### Main C file:

```
| Comparison | Com
```

Understood printing through one c program to another. By using Pointer.

```
acer@Shravani ~
$ cd lab10

acer@Shravani ~/lab10
$ touch exe_file.c

acer@Shravani ~/lab10
$ gcc exe_file.c -o exefile

acer@Shravani ~/lab10
$ touch 120newfile.c

acer@Shravani ~/lab10
$ gcc 120newfile.c -o 120newfile

acer@Shravani ~/lab10
$ ./exe_file
First print for: Shravani
Printing from new file for ESRTOS LAB
17070123120

acer@Shravani ~/lab10
$
```

We can observe both the file print same pid and ppid.

```
acer@Shravani ~/lab10

$ ./exe_file
First print for: Shravani
I am a child, my PID= 1187
my PPID= 1153
I am a parent, my PID= 1187
my PPID= 1153
```

### **Inference:**

Learnt different terms like orphan process, zombie process which we need to take care and avoid while coding.

Also saw how to print through one file to another. By using a pointer.