

## Program-1:

```
I am the parent process.  
I am the child process.  
My PID is 13154.  
My parent's PID is 13153.  
My PID is 13153.  
My child's PID is 13154.
```

## Program-2:

```
Enter the filename to open for reading  
mail  
Cannot open file mail
```

## Program-3:

```
Enter the number of processes: 3  
Enter burst time for process 1: 4  
Enter burst time for process 2: 3  
Enter burst time for process 3: 2  
Process Burst Time Completion Time Turnaround Time  
1         4         4             0  
2         3         7             7  
3         2         9             9
```

## Program-4:

```
Enter number of process: 3
Enter Burst Time:
P1: 2
P2: 5
P3: 6
P    BT  WT  TAT
P1   2   0   2
P2   5   2   7
P3   6   7  13
Average Waiting Time= 3.000000
Average Turnaround Time= 7.333333
```

## Program-5:

```
/tmp/Y1eL32HWVQ.o
Enter number of process: 3
Enter Burst Time:
P1: 2
P2: 5
P3: 3
P    BT  WT  TAT
P1   2   0   2
P3   3   2   5
P2   5   5  10
Average Waiting Time= 2.333333
Average Turnaround Time= 5.666667
```

## Program-6:

```
Enter the number of the process
3
Enter the arrival time , burst time and priority of the process
AT BT PT
1 2 3
2 3 4
5 6 7
ID WT TAT
1 0 2
2 1 4
3 1 7
Avg waiting time of the process is 0.666667
Avg turn around time of the process is 4.333333
|
```

## Program-7:

```
enter the no of processes : 2
the arrival time for process P1 : 0
the burst time for process P1 : 3
the arrival time for process P2 : 1
the burst time for process P2 : 5
P[1]   |   3   |   0
P[2]   |   7   |   2

average waiting time = 1.000000

average turnaround time = 5.000000
```

## Program-8:

```
Enter Total Process:      2
Enter Arrival Time and Burst Time for Process Process Number 1 :0 4
Enter Arrival Time and Burst Time for Process Process Number 2 :2 4
Enter Time Quantum: 2
Process |Turnaround Time|Waiting Time

P[1]    |    6    |    2
P[2]    |    6    |    2

Average Waiting Time= 2.000000
Avg Turnaround Time = 6.000000|
```