

## OS LAB 4

Siddharth shenoy  
PES2201800499

### Shortest job first

```
siddharth@SIDS-LAPTOP:/mnt/d/sem5/operatingsysytem/lab/PES2201800499_lab4$ gcc shortestjobfirst.c
siddharth@SIDS-LAPTOP:/mnt/d/sem5/operatingsysytem/lab/PES2201800499_lab4$ ./a.out
Enter number Of Jobs4

Enter Burst Time:
process1:4
process2:7
process3:8
process4:2

Process      Burst Time      Waiting Time      Turnaround Time
p4           2              0                2
p1           4              2                6
p2           7              6               13
p3           8             13               21

Average Waiting Time=5.250000
Average Turnaround Time=10.500000
siddharth@SIDS-LAPTOP:/mnt/d/sem5/operatingsysytem/lab/PES2201800499_lab4$
```

### Priority scheduling

```
siddharth@SIDS-LAPTOP:/mnt/d/sem5/operatingsysytem/lab/PES2201800499_lab4$ gcc priorityscheduling.c
siddharth@SIDS-LAPTOP:/mnt/d/sem5/operatingsysytem/lab/PES2201800499_lab4$ ./a.out
Enter Total Number of Jobs:5

Enter Burst Time and Priority

P[1]
Burst Time:4
Priority:1

P[2]
Burst Time:7
Priority:3

P[3]
Burst Time:9
Priority:2

P[4]
Burst Time:6
Priority:5

P[5]
Burst Time:2
Priority:4

Process      Burst Time      Waiting Time      Turnaround Time
P[1]         4              0                4
P[3]         9              4               13
P[2]         7             13               20
P[5]         2             20               22
P[4]         6             22               28

Average Waiting Time=11.000000
Average Turnaround Time=17.000000
```