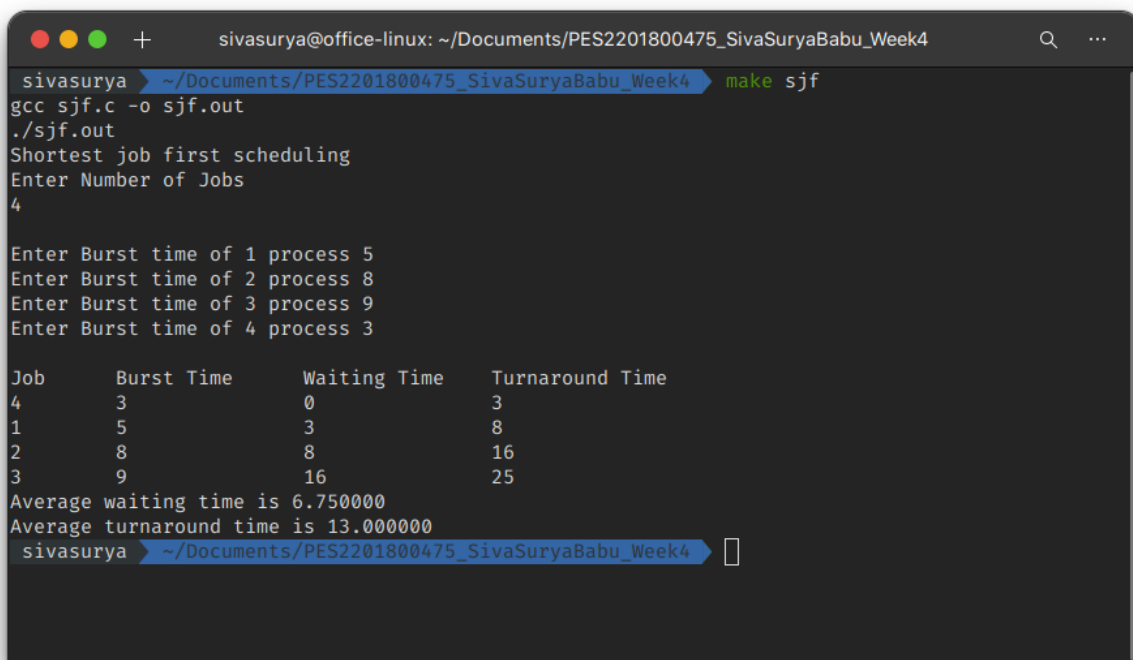


# CN Lab Week 4

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PES2201800475

## Submission 1:

1. Write a C program to implement Shortest-Job-First scheduling algorithm.



```
sivasurya@office-linux: ~/Documents/PES2201800475_SivaSuryaBabu_Week4
sivasurya ~/Documents/PES2201800475_SivaSuryaBabu_Week4 make sjf
gcc sjf.c -o sjf.out
./sjf.out
Shortest job first scheduling
Enter Number of Jobs
4

Enter Burst time of 1 process 5
Enter Burst time of 2 process 8
Enter Burst time of 3 process 9
Enter Burst time of 4 process 3

Job      Burst Time      Waiting Time      Turnaround Time
4         3                0                 3
1         5                3                 8
2         8                8                16
3         9                16               25
Average waiting time is 6.750000
Average turnaround time is 13.000000
sivasurya ~/Documents/PES2201800475_SivaSuryaBabu_Week4
```

Job	Burst Time	Waiting Time	Turnaround Time
4	3	0	3
1	5	3	8
2	8	8	16
3	9	16	25

2. Write a C program to implement Priority Scheduling algorithm.

```
sivasurya@office-linux: ~/Documents/PES2201800475_SivaSuryaBabu_Week4
sivasurya > make psa
gcc psa.c -o psa.out
./psa.out
Priority Scheduling Algorithm
Enter Number of Jobs
5

Enter Burst time of 1 process 5
Enter Priority of 1 process 1
Enter Burst time of 2 process 8
Enter Priority of 2 process 3
Enter Burst time of 3 process 10
Enter Priority of 3 process 2
Enter Burst time of 4 process 7
Enter Priority of 4 process 5
Enter Burst time of 5 process 3
Enter Priority of 5 process 4

Job      Priority    Burst Time    Waiting Time    Turnaround Time
1         1           5             0              5
3         2          10            5             15
2         3           8            15            23
5         4           3            23            26
4         5           7            26            33

Average waiting time is 13.800000
Average turnaround time is 20.400000
sivasurya >
```