

Operating System Lab : Week 4

Tanishq Vyas | PES1201800125 | SEM 5 | Section H

1) Shortest Job First

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tanishq@tanishq-VivoBook-ASUSLaptop-X512FL-X512FL: ~/MAVIS/College Work/SEM 5/courses/OS/LAB/PES120...
File Edit View Search Terminal Help
tanishq@tanishq-VivoBook-ASUSLaptop-X512FL-X512FL:~/MAVIS/College Work/SEM 5/courses/OS/LAB/PES1201800125_Tanishq_Vyas_WEEK4$ gcc shortJobFirst.c
tanishq@tanishq-VivoBook-ASUSLaptop-X512FL-X512FL:~/MAVIS/College Work/SEM 5/courses/OS/LAB/PES1201800125_Tanishq_Vyas_WEEK4$ ./a.out
*****SHORTEST JOB FIRST*****

Enter the number of Jobs : 5
Enter Job ID : 11
Enter burst time for JOB (11) : 1

Enter Job ID : 12
Enter burst time for JOB (12) : 9

Enter Job ID : 13
Enter burst time for JOB (13) : 5

Enter Job ID : 14
Enter burst time for JOB (14) : 7

Enter Job ID : 15
Enter burst time for JOB (15) : 10

JobID      Burst Time      WaitingTime      Turnaround Time
11          1                0                1
12          9                13               22
13          5                1                6
14          7                6                13
15          10              22               32

Average Waiting Time : 8.400000
Average Turn Around Time : 14.800000
tanishq@tanishq-VivoBook-ASUSLaptop-X512FL-X512FL:~/MAVIS/College Work/SEM 5/courses/OS/LAB/PES1201800125_Tanishq_Vyas_WEEK4$
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2) Priority Scheduling

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File Edit View Search Terminal Help
tanishq@tanishq-VivoBook-ASUSLaptop-X512FL-X512FL:~/MAVIS/College Work/SEM 5/courses/OS/LAB/PES1
201800125_Tanishq_Vyas_WEEK4$ gcc prioritySchedueling.c
tanishq@tanishq-VivoBook-ASUSLaptop-X512FL-X512FL:~/MAVIS/College Work/SEM 5/courses/OS/LAB/PES1
201800125_Tanishq_Vyas_WEEK4$ ./a.out
*****PRIORITY SCHEDUELING*****

Enter the number of Jobs : 5
Enter Job ID : 11
Enter burst time for JOB (11) : 10
Enter Priority for JOB (11) : 1

Enter Job ID : 12
Enter burst time for JOB (12) : 8
Enter Priority for JOB (12) : 4

Enter Job ID : 13
Enter burst time for JOB (13) : 2
Enter Priority for JOB (13) : 5

Enter Job ID : 14
Enter burst time for JOB (14) : 2
Enter Priority for JOB (14) : 2

Enter Job ID : 15
Enter burst time for JOB (15) : 8
Enter Priority for JOB (15) : 3

JobID    Burst Time    WaitingTime    Turnaround Time
11       10            0              10
12       8             20             28
13       2             28             30
14       2             10             12
15       8             12             20

Average Waiting Time : 14.000000
Avergae Turn Around Time : 20.000000
tanishq@tanishq-VivoBook-ASUSLaptop-X512FL-X512FL:~/MAVIS/College Work/SEM 5/courses/OS/LAB/PES1
201800125_Tanishq_Vyas_WEEK4$
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