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Course:- Bsc it

Section:- A

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Practical:- Operating system (PBI 202)

Q2. #include <stdio.h>

void main()

{  
int burst-time[20], process[20], waiting-time[20], tat[20];  
int i, j, n, total = 0, pos, temp;  
float avg-wt, avg-tat;

printf("Enter Number of process: ");

scanf("%d", &n);

printf("Enter Burst Time: \n");

for(i = 0; i < n; i++)

{  
printf("p%d:", i+1);

scanf("%d", &burst-time[i]);

process[i] = i+1;

}

for(i = 0; i < n; i++)

{

pos = i;

for(j = i+1; j < n; j++)

{

if(burst-time[j] < burst-time[pos])

pos = j;

}

temp = burst\_time[i];

burst\_time = burst\_time[pos];

burst\_time = temp;

temp = process[i];

process[i] = process[pos];

process[pos] = temp;

}

waiting\_time[0] = 0;

for (i = 1; i < n; i++)

{  
waiting\_time[i] = 0;

for (j = 0; j < i; j++)

waiting\_time[i] += burst\_time[j];

total += waiting\_time[i];

}

avg\_wt = (float) total / n;

total = 0;

printf("\n process \t Burst time \t Waiting Time \t  
turnaround Time");

for (i = 0; i < n; i++)





PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

Process	Burst Time	Waiting Time	Turnaround Time
p3	1	0	1
p2	2	1	3
p4	4	3	7
p1	10	7	17

Average Waiting Time=2.750000

Average Turnaround Time=7.000000

PS C:\Users\neelam\OneDrive\Documents\vs code c language\file handling qus> |