*First Come First Serve  FCFS*

#include<stdio.h>

void main()

{

int i,n,bt[20],wt[20],tar[20];

float sum=0, total=0;  /\* bt[] - stores burst times \*/

/\* wt[] - stores waiting times \*/

/\* tar[] - stores turnaround times \*/

wt[0]=0;

printf("No. of Processes: ");

scanf("%d",&n);

printf("Enter CPU Burst Times: ");

for(i=0; i<n; i++) scanf("%d",&bt[i]);

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

{

wt[i+1]=wt[i]+bt[i];

sum=sum+wt[i];

tar[i]=wt[i]+bt[i];

total=total+tar[i];

}

printf("Process CPU Burst Time Waiting Time Turnaround Time\n");

printf("--------- -----------------------------------------------------------\n");

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

printf("P%d\t%d\t\t%d\t\t%d\n",i,bt[i],wt[i],tar[i]);

printf("Avg. Waiting Time=%6.2f\n",sum/n);

printf("Avg. Turnaround Time=%6.2f\n",total/n);

}

OUTPUT 1:

No. of Processes: 3

Enter CPU Burst Times: 24 3 3

Process CPU Burst Time Waiting Time Turnaround Time

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P0      24               0               24

P1      3               24             27

P2      3               27             30

Avg. Waiting Time= 17.00

Avg. Turnaround Time= 27.00

OUTPUT 2:

No. of Processes: 3

Enter CPU Burst Times: 3 3 24

Process CPU Burst Time Waiting Time Turnaround Time

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P0      3               0               3

P1  3               3               6

P2      24             6               30

Avg. Waiting Time=  3.00

Avg. Turnaround Time= 13.00