OS LAB

EXPERIMENT 1

#include<stdio.h>

#include<conio.h>

void main()

{

int n,art[20],burst[20],wait[20],i,s=0,sum=0,tt[20],sum1=0;

float avg,avg1;

printf("\nEnter the number of processes:");

scanf("%d",&n);

printf("\nEnter the arrival time for %d processes\n",n);

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

{

printf("\nArrival time of %d process=",i);

scanf("%d",&art[i]);

}

printf("\nEnter the Burst Time for %d processes\n",n);

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

{

printf("\nBurst Time of %d process=",i);

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

}

printf("\Gmatt Chart is\n");

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

{

tt[i]=s+burst[i]-art[i];

wait[i]=tt[i]-burst[i];

printf("\nProcess %d starts at %d and ends at %d",i,s,burst[i]+s);

printf("\nTurn Around Time for %d process is:%d",i,tt[i]);

printf("\nWaiting Time for %d process is:%d",i,wait[i]);

s=s+burst[i];

sum=sum+tt[i];

sum1=sum1+wait[i];

}

avg=(float)sum/n;

avg1=(float)sum1/n;

printf("\nAverage Turn Around Time for FCFS CPU Scheduling is %f",avg);

printf("\nAverage Waiting Time for FCFS CPU Scheduling is %f",avg1);

}

OUTPUT:

