OPERATING SYSTEMS

PROGRAM 6:

#include<stdio.h>

struct fcfs

{

int pid;

int btime;

int wtime;

int ttime;

}p[10];

int main()

{

int i,n;

int twtime=0,tttime=0;

printf("enter the number of processes:");

scanf("%d",&n);

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

{

p[i].pid=1;

printf("enter the burst time=");

scanf("%d",&p[i].btime);

}

p[0].wtime=0;

p[0].ttime=p[0].btime;

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

{

p[i].wtime=p[i-1].btime+p[i-1].wtime;

p[i].ttime=p[i].btime+p[i].wtime;

twtime+=p[i].wtime;

tttime+=p[i].ttime;

}

printf("total waiting time=%d",twtime);

printf("average waiting time=%d",twtime/n);

printf("total turn around time=%d",tttime);

printf("average turn around time=%d",tttime/n);

return 0;

}

OUTPUT:

