#include<stdio.h>

#include<conio.h>

main()

{

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

float wtavg, tatavg;

clrscr();

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

scanf("%d", &n);

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

{

printf("\nEnter Burst Time for Process %d -- ", i);

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

}

wt[0] = wtavg = 0;

tat[0] = tatavg = bt[0];

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

{

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

tat[i] = tat[i-1] +bt[i];

wtavg = wtavg + wt[i];

tatavg = tatavg + tat[i];

}

printf("\t PROCESS \tBURST TIME \t WAITING TIME\t TURNAROUND TIME\n");

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

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

printf("\nAverage Waiting Time -- %f", wtavg/n);

printf("\nAverage Turnaround Time -- %f", tatavg/n);

getch();

}

INPUT

Enter the number of processes -- 3

Enter Burst Time for Process 0 -- 24

Enter Burst Time for Process 1 -- 3

Enter Burst Time for Process 2 -- 3

OUTPUT

PROCESS BURST TIME WAITING TIME TURNAROUND

TIME

P0 24 0 24

P1 3 24 27

P2 3 27 30

Average Waiting Time-- 17.000000

Average Turnaround Time -- 27.000000