

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,bt[20],wt[20],tat[20],i,j; float avwt=0,avtat=0;printf("Enter total number of processes(maximum 20):");scanf("%d",&n);
5     printf("\nEnter Process Burst Time\n");for(i=0;i<n;i++)
6     {
7         printf("P[%d]:",i+1);
8         scanf("%d",&bt[i]);
9     } wt[0]=0;
10    for(i=1;i<n;i++)
11    { wt[i]=0;for(j=0;j<i;j++)
12      wt[i]+=bt[j];
13    }
14    printf("\nProcess\t\tBurst Time\tWaiting Time\tTurnaround Time"); for(i=0;i<n;i++)
15    {
16      tat[i]=bt[i]+wt[i]; avwt+=wt[i]; avtat+=tat[i];printf("\nP[%d]\t\t\t%d\t\t\t%d\t\t\t%d",i+1,bt[i],wt[i],tat[i]);
17    } avwt/=i; avtat/=i;printf("\n\nAverage Waiting Time:%.2f",avwt);
18    printf("\nAverage Turnaround Time:%.2f",avtat);
19 }
```

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sruthi\OneDrive\Documents\sru.exe
- Output Size: 129.2705078125 KiB
- Compilation Time: 0.52s

C:\Users\sruthi\OneDrive\Documents\srut.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help



C:\Users\sruthi\OneDrive\Documents\srut.exe

Enter number of process:4

Enter Burst Time:

p1:25

p2:30

p3:35

p4:39

Process	Burst Time	Waiting Time	Turnaround Time
p1	25	0	25
p2	30	25	55
p3	35	55	90
p4	39	90	129

Average Waiting Time=0.000000

Average Turnaround Time=0.000000

Process exited after 19.6 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sruthi\OneDrive\Documents\srut.exe
- Output Size: 129.2705078125 KiB
- Compilation Time: 0.53s

Line: 21 Col: 2 Sel: 0 Lines: 21 Length: 857 Insert Done parsing in 0.031 seconds

89°F
Mostly cloudy



ENG IN 12:14 20-09-2022 27