

C:\Users\janal\OneDrive\Documents\OS-8.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug [*] OS-6.cpp OS-7.cpp OS-8.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int n, i, time = 0, tq;
5     printf("Enter number of processes: ");
6     scanf("%d", &n);
7
8     int at[n], bt[n], rt[n], wt[n], tat[n];
9     for (i = 0; i < n; i++) {
10         printf("Process %d Arrival Time and Burst Time: ", i + 1);
11         scanf("%d %d", &at[i], &bt[i]);
12         rt[i] = bt[i];
13     }
14
15     printf("Enter Time Quantum: ");
16     scanf("%d", &tq);
17
18     int completed = 0;
19     int total_wt = 0, total_tat = 0;
20
21     while (completed < n) {
22         int done = 1;
23         for (i = 0; i < n; i++) {
24             if (rt[i] > 0 && at[i] <= time) {
25                 done = 0;
26                 if (rt[i] > tq) {
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\janal\OneDrive\Documents\OS-8.exe
- Output Size: 130.7705078125 KiB
- Compilation Time: 0.19s

Line: 51 Col: 2 Sel: 0 Lines: 51 Length: 1423 Insert Done parsing in 0.031 sec

C:\Users\janal\OneDrive\Documents\OS-8.exe

Enter number of processes: 4
Process 1 Arrival Time and Burst Time: 45 56
Process 2 Arrival Time and Burst Time: 78 98
Process 3 Arrival Time and Burst Time: 65 43
Process 4 Arrival Time and Burst Time: 32 34
Enter Time Quantum: 10

Process	AT	BT	WT	TAT
P1	45	56	101	157
P2	78	98	87	185
P3	65	43	107	150
P4	32	34	40	74

Average WT = 83.75
Average TAT = 141.50

Process exited after 26.64 seconds with return value 0
Press any key to continue . . .

14:59 27-09-2025