

C:\Users\janal\OneDrive\Documents\OS-3.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug OS-1.cpp OS-2.cpp OS-3.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int n, i, time = 0;
5     printf("Number of processes: ");
6     scanf("%d", &n);
7
8     int at[n], bt[n], ct[n], tat[n], wt[n];
9     for(i = 0; i < n; i++) {
10         printf("AT and BT for P%d: ", i+1);
11         scanf("%d %d", &at[i], &bt[i]);
12     }
13
14     for(i = 0; i < n; i++) {
15         if(time < at[i]) time = at[i];
16         ct[i] = time + bt[i];
17         tat[i] = ct[i] - at[i];
18         wt[i] = tat[i] - bt[i];
19         time = ct[i];
20     }
21
22     printf("\nPID\tAT\tBT\tCT\tTAT\tWT\n");
23     for(i = 0; i < n; i++)
24         printf("%d\t%d\t%d\t%d\t%d\t%d\n", i+1, at[i], bt[i], ct[i], tat[i], wt[i]);
25
26     return 0;
27 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\janal\OneDrive\Documents\OS-3.exe
- Output Size: 130.2705078125 KiB
- Compilation Time: 0.31s

Line: 28 Col: 1 Sel: 0 Lines: 28 Length: 673 Insert Done parsing in 0.032 seconds

8

Search

16:08 25-09-2025

C:\Users\janal\OneDrive\Do

Number of processes: 4  
AT and BT for P1: 1 2 3 4  
AT and BT for P2: AT and BT for P3: 2 3 34 5  
AT and BT for P4:

PID	AT	BT	CT	TAT	WT
1	1	2	3	2	0
2	3	4	7	4	0
3	2	3	10	8	5
4	34	5	39	5	0

-----  
Process exited after 26 seconds with return value 0  
Press any key to continue . . .