

CA\Users\mudir\OneDrive\Documents\OS3.cpp - [Executing] - Embarcadero Dev-C++ 6.3

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TDM-GCC 9.2.0 64-bit Release

(globals)

Project Class OS1.cpp OS2.cpp OS3.cpp

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int n, i, time = 0;
6     printf("Number of processes: ");
7     scanf("%d", &n);
8
9     int at[n], bt[n], ct[n], tat[n], wt[n];
10    for(i = 0; i < n; i++) {
11        printf("AT and BT for P%d: ", i+1);
12        scanf("%d %d", &at[i], &bt[i]);
13    }
14
15    for(i = 0; i < n; i++) {
16        if(time < at[i]) time = at[i];
17        ct[i] = time + bt[i];
18        tat[i] = ct[i] - at[i];
19        wt[i] = tat[i] - bt[i];
20        time = ct[i];
21    }
22
23    printf("\nPID\tAT\tBT\tCT\tTAT\tWT\n");
24    for(i = 0; i < n; i++)
25        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]);
26
27    return 0;
28 }
```

Number of processes: 4
AT and BT for P1: 5
8
AT and BT for P2: 12
6
AT and BT for P3: 7
9
AT and BT for P4: 2
5

PID	AT	BT	CT	TAT	WT
1	5	8	13	8	0
2	12	6	19	7	1
3	7	9	28	21	12
4	2	5	33	31	26

Process exited after 141.4 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Errors: 0
Warnings: 0
Output Filename: C:\Users\mudir\OneDrive\Documents\OS3.exe
Output Size: 323.953125 KiB
Compilation Time: 0.19s

Shorten compiler pat

Line: 27 Col: 2 Sel: 0 Lines: 27 Length: 669 Insert Done parsing in 0 seconds

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