

C:\Users\Deekshitha Reddy\OneDrive\Documents\OS8.cpp - [Executing] - Dev-C++ 5.11

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(globals)

Project Classes Debug OS6.cpp OS7.cpp OS8.cpp

```
30 count = 1;
31 } else if (temp[i] > 0) {
32     temp[i] -= quant;
33     sum += quant;
34 }
35
36 if (temp[i] == 0 && count == 1) {
37     y--;
38     printf("Process[%d]\t%d\t%d\t%d\n", i + 1, bt[i], sum - at[i],
39         wt += sum - at[i] - bt[i];
40         tat += sum - at[i];
41         count = 0;
42     }
43
44     if (i == NOP - 1)
45         i = 0;
46     else if (at[i + 1] <= sum)
47         i++;
48     else
49         i = 0;
50 }
51
52 avg_wt = (float)wt / NOP;
53 avg_tat = (float)tat / NOP;
54
55 printf("\nAverage Waiting Time:\t%.2f", avg_wt);
56 printf("\nAverage Turnaround Time:\t%.2f\n", avg_tat);
57
58 return 0;
59 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

Line: 59 Col: 2 Sel: 0 Lines: 59 Length: 1583 Insert Done parsing in 0.016 seconds

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```
Total number of processes in the system: 2
Enter Arrival Time and Burst Time for Process[1]
Arrival Time: 1
Burst Time: 5
Enter Arrival Time and Burst Time for Process[2]
Arrival Time: 5
Burst Time: 7
Enter the Time Quantum for the process: 3
Process No      Burst Time      TAT      Waiting Time
Process[1]      5              4        -1
Process[2]      7              7         0
Average Waiting Time:  -0.50
Average Turnaround Time:  5.50
-----
Process exited after 9.789 seconds with return value 0
Press any key to continue . . .
```