C:\Users\Deekshitha Reddy\OneDrive\Documents\OS5.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

OS4.cpp OS5.cpp

```
25  printf("Enter the burst time: ");
26  scanf("%d",& process[i].burst_time);
27  printf("Enter the priority: ");
28   scanf("%d", & process[i].priority); ASCII_number++; }
29  for (int i = 0; i < number_of_process; i++) {
30  position = i;
31  for (int j = i + 1; j < number_of_process; j++) {
32  if (process[j].priority > process[position].priority)p
33  temp_process = process[i]; process[i] =process[positio
34   process[position] = temp_process; } process[0].waitir
35  for (int i = 1; i < number_of_process; i++) {
36  process[i].waiting_time = 0;
37  for (int j = 0; j < i; j++) {
38  process[i].waiting_time += process[j].burst_time; }
39  total += process[i].waiting_time; }
40  average_waiting_time = (float) total / (float) number_
41
42  total = 0;
43  printf("\n\nProcess_name \t Burst Time \t Waiting Time
44  printf(" \n");
45  for (int i = 0; i < number_of_process; i++) {
46  process[i].turn_around_time = process[i].burst_time +
47  printf("\t %c \t\t %d \t\t %d \t\t %d", process[i].pro
48  process[i].waiting_time,process[i].turn_around_time);
49  printf("\n \n"); }
50  average_turnaround_time = (float) total / (float) numb
51  printf("\n\n Average Waiting Time : %f", average_waiti
52  printf("\n Average Turnaround Time: %f\n", average_tur
53  return 0;
54  }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
- Output Filename: C:\Users\Deekshitha Reddy\Or
- Output Size: 130.7705078125 KiB
- Compilation Time: 0.45s
```

Line: 54 Col: 2 Sel: 0 Lines: 54 Length: 2092 Insert

C:\Users\Deekshitha Reddy\O

```
Enter the total number of Processes: 3

Please Enter the Burst Time and Priority of each process:

Enter the details of the process A
Enter the burst time: 24
Enter the priority: 43

Enter the details of the process B
Enter the burst time: 23
Enter the priority: 45

Enter the details of the process C
Enter the burst time: 56
Enter the priority: 78


Process_name     Burst Time      Waiting Time    Turnaround Time

        C               56              0               56

        B               23              56              79

        A               24              79              103


 Average Waiting Time : 45.000000
 Average Turnaround Time: 0.000000

--------------------------------
Process exited after 12.4 seconds with return value 0
Press any key to continue . . .
```

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