

File Edit Search View Project Execute Tools AStyle Window Help

devcpp.exe filename os 2nd.c cpu scheduling program os.c scheduling program with smallest execution time

```
1 #include<stdio.h>
2 struct priority_scheduling {
3     char process_name;
4     int burst_time;
5     int waiting_time;
6     int turn_around_time;
7     int priority;
8 };
9 int main() {
10     int i,j;
11     int number_of_process;
12     int total = 0;
13     struct priority_scheduling temp_process;
14     int ASCII_number = 65;
15     int position;
16     float average_waiting_time;
17     float average_turnaround_time;
18     printf("Enter the total number of Processes: ");
19     scanf("%d", & number_of_process);
20     struct priority_scheduling process[number_of_process];
21     printf("\nPlease Enter the Burst Time and Priority of each process\n");
22     for (i = 0; i < number_of_process; i++)
23     {
24         process[i].process_name = (char) ASCII_number;
25         printf("\nEnter the details of the process %c \n", process[i].process_name);
26         printf("Enter the burst time: ");
27         scanf("%d", & process[i].burst_time);
```

Select C:\Users\ELLAYYA\OneDrive\Desktop\priority scheduling os.exe

Enter the burst time: 4
Enter the priority: 12
Enter the details of the process C
Enter the burst time: 22
Enter the priority: 12
Enter the details of the process D
Enter the burst time: 09
Enter the priority: 10

Process_name	Burst Time	Waiting Time	Turnaround Time
B	4	0	4
C	22	4	26
A	12	26	38
D	9	38	47

Average Waiting Time : 17.000000
Average Turnaround Time: 28.750000

Process exited after 33.38 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ELLAYYA\OneDrive\Desktop\priority scheduling os.exe
- Output Size: 130.794921875 KiB
- Compilation Time: 0.39s

Line: 55 Col: 8 Set: 0 Lines: 66 Length: 2429 Insert Done parsing in 0.016 seconds

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