

C:\Users\khushi\Desktop\OS C-PROGRAM\SJF ALGORITHM.c - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes < > round robin.c x SJF ALGORITHM.c x

```
33     total += A[i][2];
34 }
35 avg_wt = (float)total / n;
36 total = 0;
37 printf("P      BT      WT      TAT\n");
38 for (i = 0; i < n; i++) {
39     A[i][3] = A[i][1] + A[i][2];
40     total += A[i][3];
41     printf("P%d      %d      %d      %d\n", A[i][0],
42           A[i][1], A[i][2], A[i][3]);
43 }
44 avg_tat = (float)total / n;
45 printf("Average Waiting Time= %f", avg_wt);
46 printf("\nAverage Turnaround Time= %f", avg_tat);
47 }
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler path

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\khushi\Desktop\OS C-PROGRAM\SJF ALGORITHM.exe
- Output Size: 324.453125 KiB
- Compilation Time: 2.66s

C:\Users\khushi\Desktop\OS C-PROGRAM\SJF ALGORIT...

```
Enter number of process: 4
Enter Burst Time:
P1: 4
P2: 3
P3: 2
P4: 1
P      BT      WT      TAT
P4      1      0      1
P3      2      1      3
P2      3      3      6
P1      4      6      10
Average Waiting Time= 2.500000
Average Turnaround Time= 5.000000
-----
Process exited after 79.03 seconds with return value 0
Press any key to continue . . .
```

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(globals)

Project Classes < > p-1.c x P-6.c x P-2.c x

```
20 printf("Cannot open file %s \n", filename);
21 exit(0);
22 }
23 c = fgetc(fp1);
24 while (c != EOF)
25 {
26     fputc(c, fp2);
27     c = fgetc(fp1);
28 }
29 printf("\nContents copied to %s", filename);
30 fclose(fp1);
31 fclose(fp2);
32 return 0;
33 }
34
```

Compiler Resources Compile Log Debug Find Results Console Close

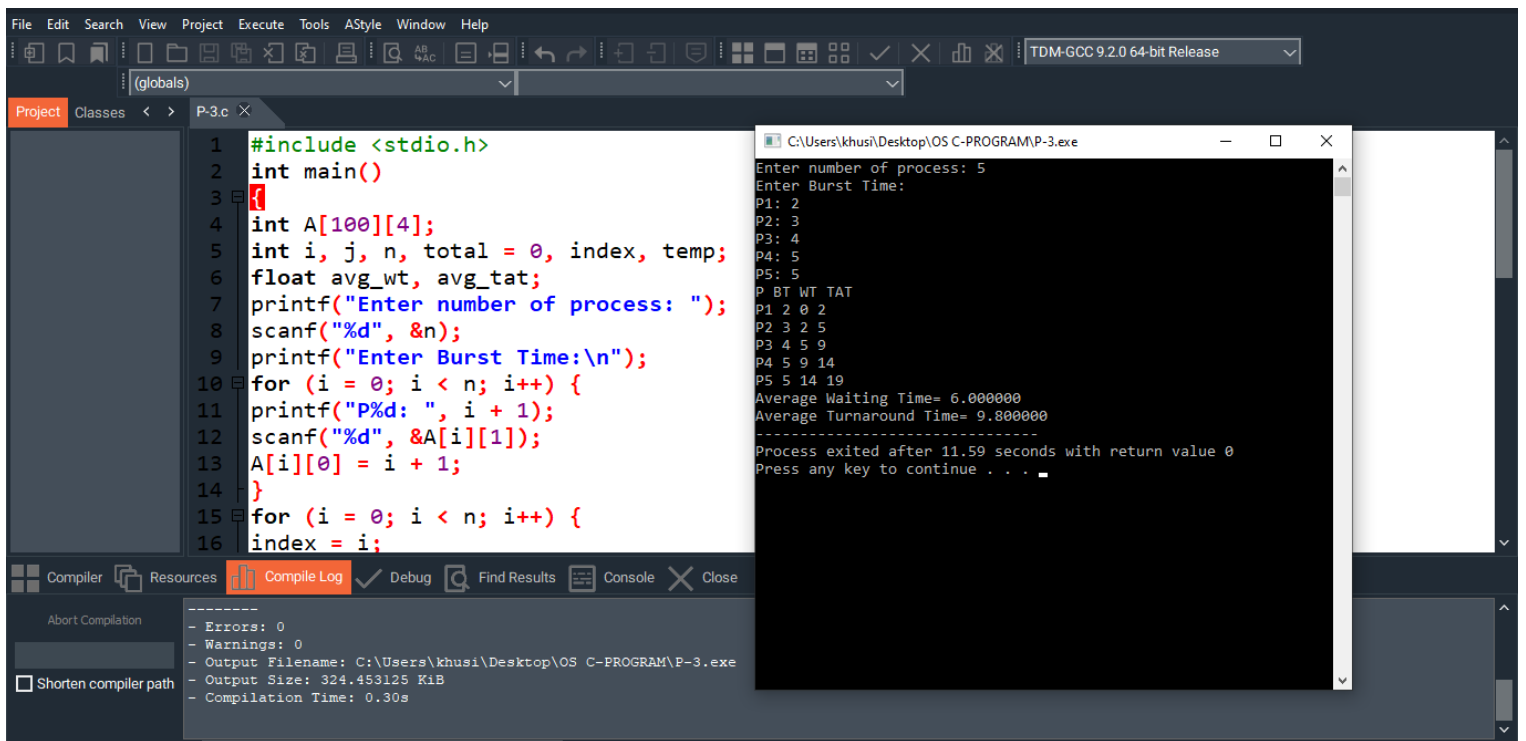
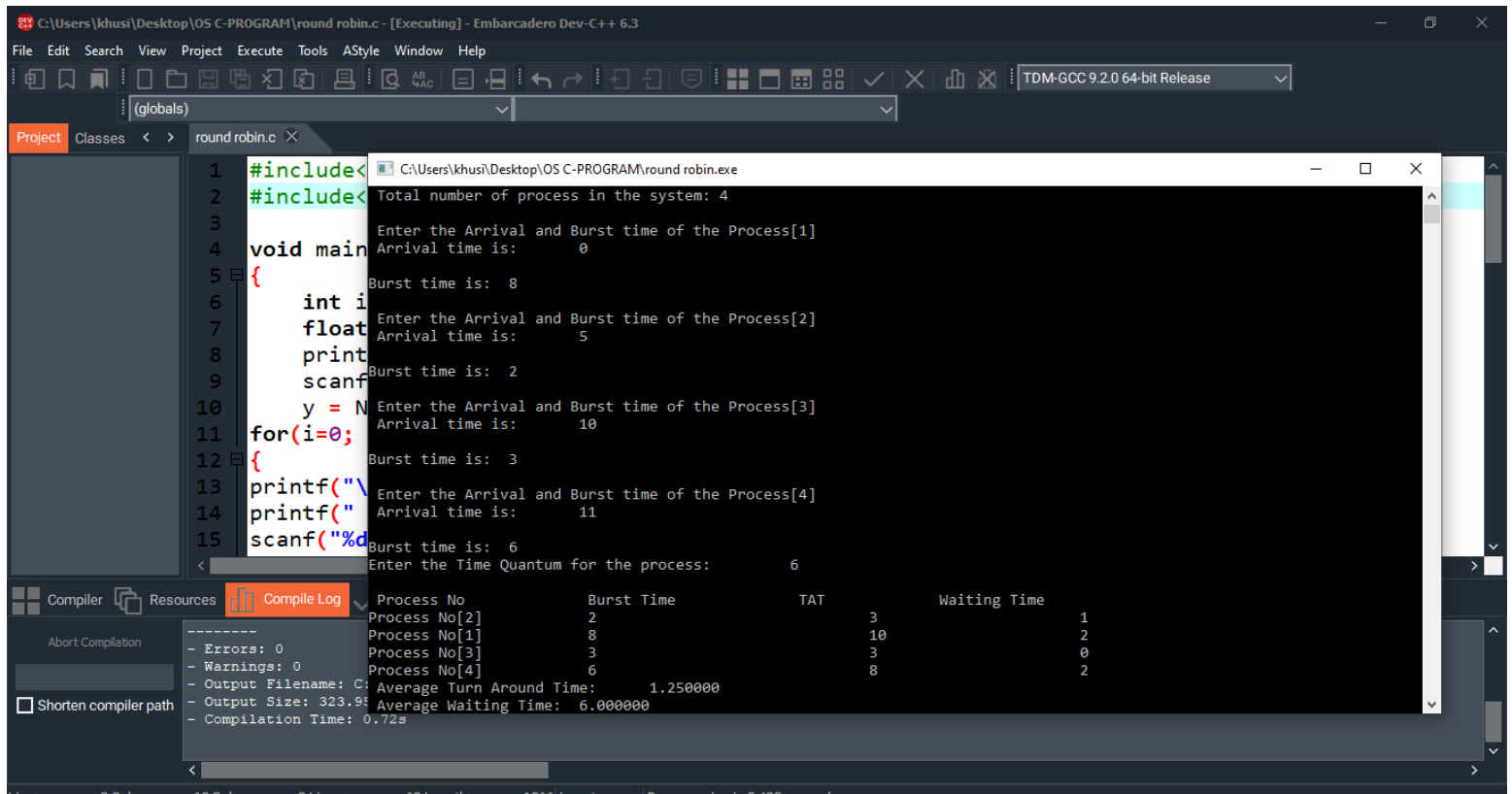
Abort Compilation

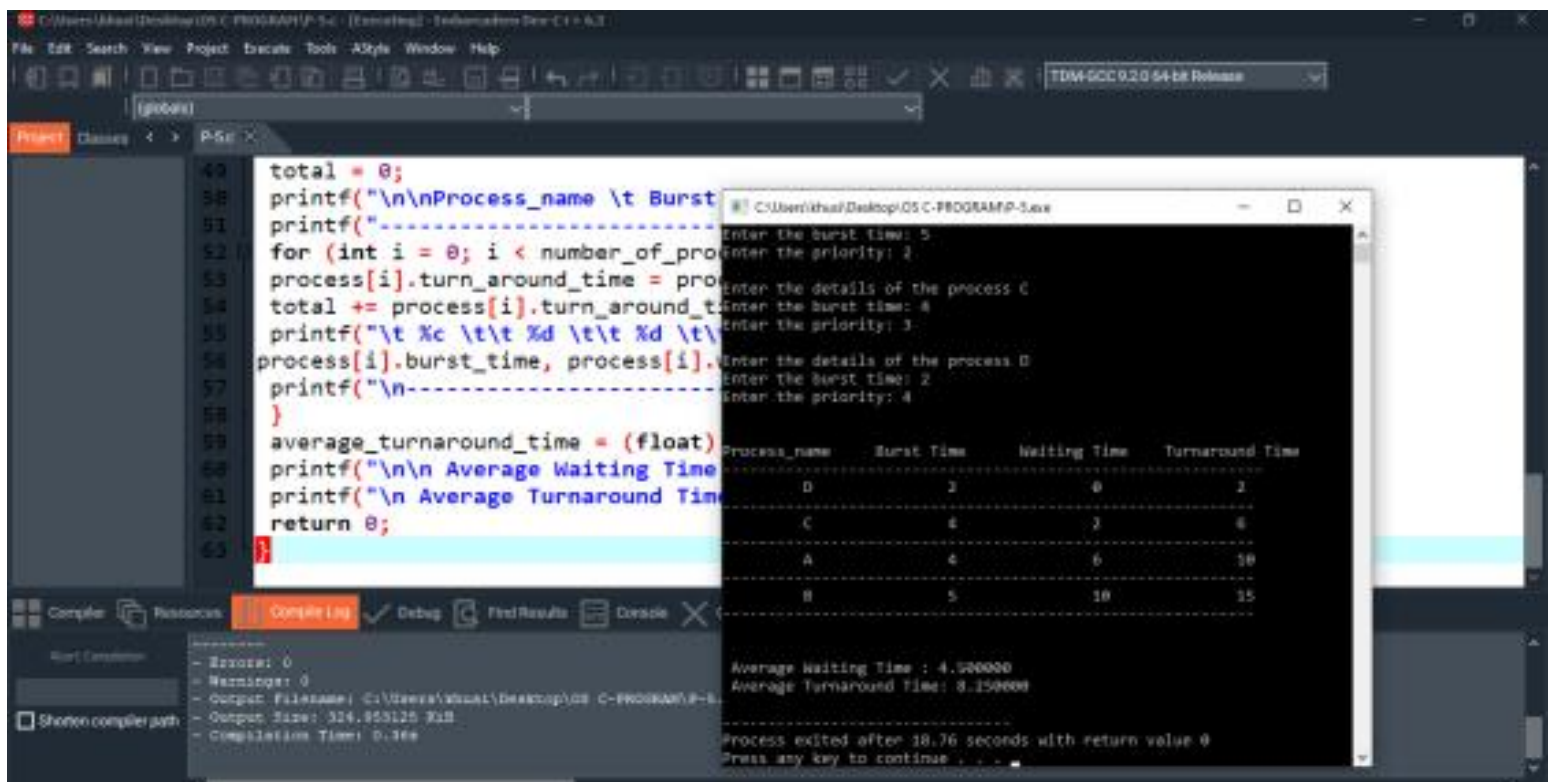
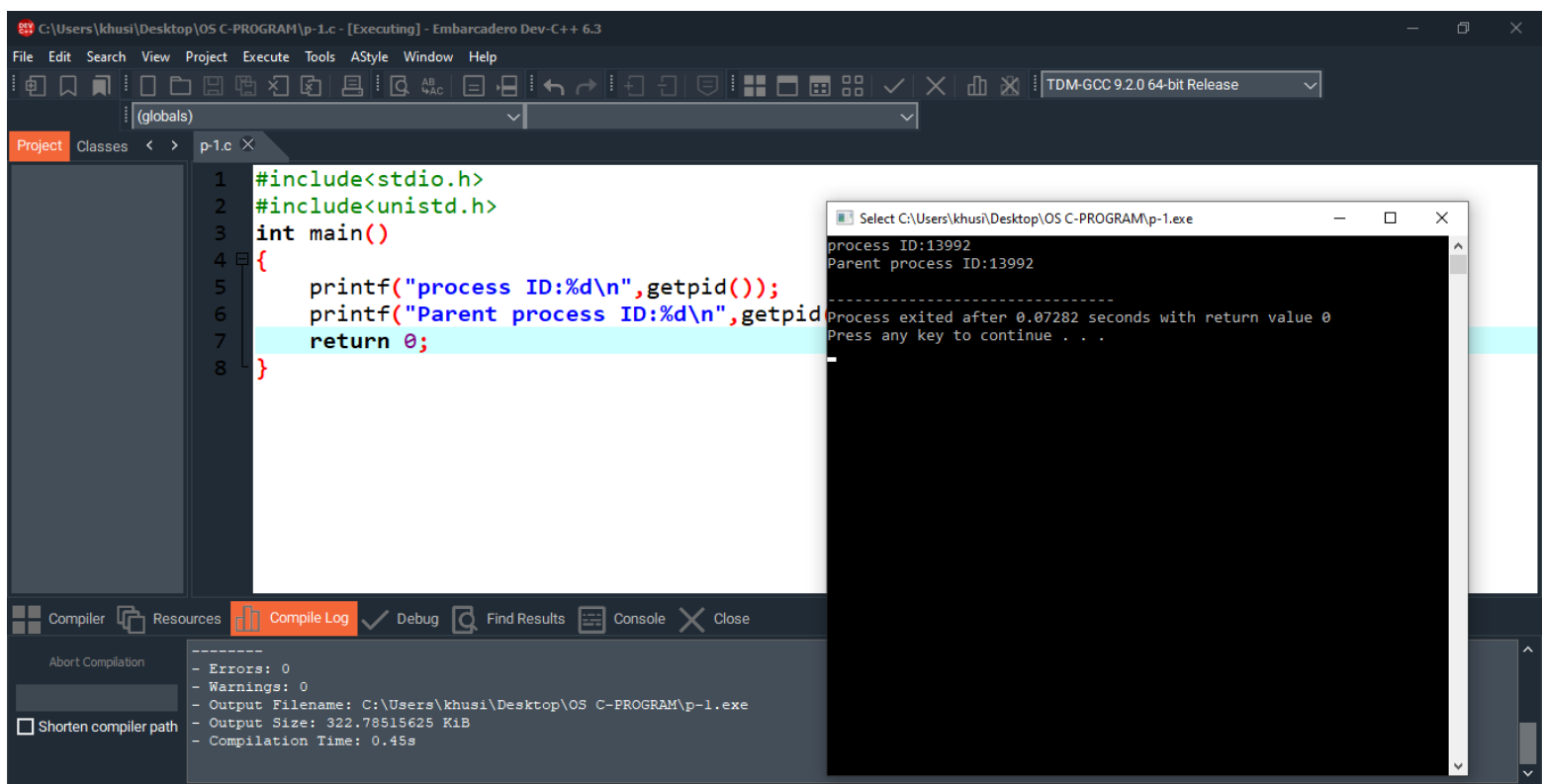
Shorten compiler path

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\khushi\Desktop\OS C-PROGRAM\P-2.exe
- Output Size: 324.6337890625 KiB
- Compilation Time: 0.31s

C:\Users\khushi\Desktop\OS C-PROGRAM\P-2.exe

```
Enter the filename to open for reading
for decoration print
Cannot open file for
-----
Process exited after 31.69 seconds with return value 0
Press any key to continue . . .
```





main.c

Save

Run

Output

Clear

```
1 #include <stdio.h>
2
3 // Process structure
4 struct Process {
5     int id;           // Process ID
6     int priority;     // Priority of the process
7     int burst_time;   // Burst time of the process
8     int remaining_time;
9     int arrival_time; // Remaining time to completion
10 };
11
12 // Function to perform Preemptive Priority Scheduling
13 void preemptive_priority_scheduling(struct Process processes[], int
    n) {
14     int total_time = 0;
15     int completed = 0;
16     int current_process = -1;
17
18     // Run until all processes are completed
19     while (completed < n) {
```

```
/tmp/DxtbWluzMD.o
Time 0: Process 4 arrives
Time 3: Process 4 completes
Time 3: Process 3 arrives
Time 10: Process 3 completes
Time 10: Process 1 arrives
Time 16: Process 1 completes
Time 16: Process 2 arrives
Time 24: Process 2 completes
```

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TDM-GCC 9.2.0 64-bit Release

(globals)

Project

Classes

P-3.c

P-4.c

```
39 }
40 avg_wt=(float)total/n;
41 total=0;
42 printf("\nProcesst Burst Time tWaiting TimetTurnaround Time");
43 for(i=0;i<n;i++)
44 {
45     tat[i]=bt[i]+wt[i];
46     total+=tat[i];
47     printf("\n%4d %4d %4d %4d %4d", i+1, bt[i], wt[i], tat[i], total);
48 }
49 avg_tat=
50 printf("\n
51 printf("\n
52 }
53
```

CAUsers\khusi\Desktop\OS C-PROGRAM\P-4.exe

Enter number of process:5
Enter Burst Time:np1:1
p2:4
p3:7
p4:5
p5:8
nProcesst Burst Time tWaiting TimetTurnaround Timenp1tt 1tt 0ttt1np2tt 4tt 1ttt5np4tt 5tt 5ttt10np3tt 7tt 10ttt17np5tt 8
tt 17ttt25nnAverage Waiting Time=6.600000nAverage Turnaround Time=11.600000n
Process exited after 11.41 seconds with return value 0
Press any key to continue . . .

Compiler Resources Compile Log

Abort Compilation

Shorten compiler path

- Errors: 0
- Warnings: 0
- Output Filename: C:\
- Output Size: 323.784
- Compilation Time: 0.