

C:\Users\hpl\Documents\fcfs in c.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug shortest job first in c program.cpp priority scheduling in c.cpp fcfs in c.cpp

```
1  #include <stdio.h>
2  int main()
3  {
4      int pid[15];
5      int bt[15];
6      int n;
7      printf("Enter the number of processes: ");
8      scanf("%d",&n);
9
10     printf("Enter process id of all the processes: ");
11     for(int i=0;i<n;i++)
12     {
13         scanf("%d",&pid[i]);
14     }
15
16     printf("Enter burst time of all the processes: ");
17     for(int i=0;i<n;i++)
18     {
19         scanf("%d",&bt[i]);
20     }
21
22     int i, wt[n];
23     wt[0]=0;
24
25     for(i=1; i<n; i++)
26     {
27         wt[i]= bt[i-1]+ wt[i-1];
28     }
29
30     printf("Process ID      Burst Time      Waiting Time      TurnAround Time\n");
31     float twt=0.0;
32     float tat= 0.0;
33     for(i=0; i<n; i++)
34     {
35         printf("%d\t\t", pid[i]);
36         printf("%d\t\t", bt[i]);
37         printf("%d\t\t", wt[i]);
38
39         printf("%d\t\t", bt[i]+wt[i]);
```

Compiler Resources Compile Log Debug Find Results

Line: 53 Col: 2 Sel: 0 Lines: 53 Length: 1065 Insert Done parsing in 0.031 seconds

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```
15
16     printf("Enter burst time of all the processes: ");
17     for(int i=0;i<n;i++)
18     {
19         scanf("%d",&bt[i]);
20     }
21
22     int i, wt[n];
23     wt[0]=0;
24
25     for(i=1; i<n; i++)
26     {
27         wt[i]= bt[i-1]+ wt[i-1];
28     }
29
30     printf("Process ID      Burst Time      Waiting Time      TurnAround Time\n");
31     float twt=0.0;
32     float tat= 0.0;
33     for(i=0; i<n; i++)
34     {
35         printf("%d\t\t", pid[i]);
36         printf("%d\t\t", bt[i]);
37         printf("%d\t\t", wt[i]);
38
39         printf("%d\t\t", bt[i]+wt[i]);
40         printf("\n");
41
42         twt += wt[i];
43
44         tat += (wt[i]+bt[i]);
45     }
46     float att,awt;
47
48     awt = twt/n;
49
50     att = tat/n;
51     printf("Avg. waiting time= %f\n",awt);
52     printf("Avg. turnaround time= %f",att);
53
```

Compiler Resources Compile Log Debug Find Results

Line: 53 Col: 2 Sel: 0 Lines: 53 Length: 1065 Insert Done parsing in 0.031 seconds

```
Enter the number of processes: 3
Enter process id of all the processes: 1 2 3
Enter burst time of all the processes: 5 4 11
Process ID      Burst Time      Waiting Time      TurnAround Time
1               5               0                5
2               4               5                9
3               11              9               20
Avg. waiting time= 4.666667
Avg. turnaround time= 11.333333
-----
Process exited after 11.64 seconds with return value 0
Press any key to continue . . .
```