



Project

C:\Users\91934\Documents\q1

Enter number of processes: 3

Enter Burst Time for Process 1: 5

Enter Priority for Process 1 (lower number = higher priority): 2

Enter Burst Time for Process 2: 3

Enter Priority for Process 2 (lower number = higher priority): 1

Enter Burst Time for Process 3: 8

Enter Priority for Process 3 (lower number = higher priority): 3

Process	Priority	Burst Time	Waiting Time	Turnaround Time
P2	1	3	0	3
P1	2	5	3	8
P3	3	8	8	16

Average Waiting Time: 3.67

Average Turnaround Time: 9.00

Process exited after 22.92 seconds with return value 0

Press any key to continue . . .



Con

Above compilation

☐ Shorten compiler paths

```
-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\91934\Documents\q1.exe  
- Output Size: 129.7705078125 KiB  
- Compilation Time: 0.34s
```



Project Cla

```
C:\Users\91934\Documents\q1.cpp x + -  
Enter number of processes: 4  
Enter Burst Time for Process 1: 6  
Enter Burst Time for Process 2: 8  
Enter Burst Time for Process 3: 7  
Enter Burst Time for Process 4: 3  
  
Process Burst Time    Waiting Time    Turnaround Time  
P4      3              0              3  
P1      6              3              9  
P3      7              9              16  
P2      8              16              24  
  
Average Waiting Time: 7.00  
Average Turnaround Time: 13.00  
  
-----  
Process exited after 9.249 seconds with return value 0  
Press any key to continue . . .
```

```
turnaround_time[i]);
```

Compile

Abort Co

☐ Shorten compiler paths

```
- Warnings: 0  
- Output Filename: C:\Users\91934\Documents\q1.exe  
- Output Size: 129.7705078125 KiB  
- Compilation Time: 0.38s
```

Line: 61 Col: 1 Sel: 0 Lines: 61 Length: 1740 Insert Done parsing in 0.032 seconds

Enter Arrival Time for Process 3: 2
Enter Burst Time for Process 3: 4
Enter Priority (lower = higher priority) for Process 3: 3

Gantt Chart:

Time	Process
0	P1
1	P2
2	P2
3	P2
4	P1
5	P1
6	P1
7	P1
8	P3
9	P3
10	P3
11	P3

Process	Arrival	Burst	Priority	Waiting	Turnaround
P1	0	5	2	3	8
P2	1	3	1	0	3
P3	2	4	3	6	10

Average Waiting Time: 3.00
Average Turnaround Time: 7.00

Process exited after 24.02 seconds with return value 0
Press any key to continue . . .

```
Project Classes Debug q1.cpp
20 dest = creat("destination.txt", 0644);
21 if (dest < 0) {
22     perror("Error creating destination file");
23     close(src);
24     return 1;
25 }
26
27 // Copy content
28 while ((bytesRead = read(src, buffer, SIZE)) > 0) {
29     write(dest, buffer, bytesRead);
30 }
31
32 printf("File copied successfully.\n");
33
34 close(src);
35 close(dest);
36
37 return 0;
38 }
39
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\91934\Documents\q1.exe
- Output Size: 129.9482421875 KiB
- Compilation Time: 0.75s

Line: 39 Col: 1 Sel: 0 Lines: 39 Length: 757 Insert Done parsing in 0.016 seconds

C:\Users\91934\Documents\q1 x + -

Error opening source file: No such file or directory

Process exited after 0.1239 seconds with return value 1
Press any key to continue . . .



Project

```
Enter number of processes: 3
Enter Burst Time for Process 1: 5
Enter Burst Time for Process 2: 8
Enter Burst Time for Process 3: 6

Process Burst Time    Waiting Time    Turnaround Time
P1      5             0              5
P2      8             5              13
P3      6             13              19
```

```
Average Waiting Time: 6.00
Average Turnaround Time: 12.33
```

```
-----
Process exited after 23.5 seconds with return value 0
Press any key to continue . . .
```

Con

Above compilation

☐ Shorten compiler paths

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\91934\Documents\q1.exe
- Output Size: 129.2705078125 KiB
- Compilation Time: 0.34s
```

Line: 44 Col: 1 Sel: 0 Lines: 44 Length: 1188 Insert Done parsing in 0.032 seconds



Search

ENG
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18-06-2025