

# Test Case: 1

C:\Users\Vaibhav\Documents\GitHub\Operating-System-CSE316\Operating\_system\_schedular\_code.cpp - [Executing] - Dev-C++ 5.11

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```
C:\Users\Vaibhav\Documents\GitHub\Operating-System-CSE316\Operating_system_schedular_code.exe
The details of time quantum are as follows:
The time quantum for first Iteration is 3.
The time quantum for first Iteration is 6.
After second iteration the Shortest job will assign CPU.
Operating
1
2
3
4 Process      Arival time   Burst time    Completion time  Turnaround Time  waiting time
5 P1           0             18            47                47                29
6 P2           2             23            64                62                39
7 P3           4             13            22                18                5
8 P4           13            10            32                19                9
9
10 Average Trunaround time : 36.5
11 Average Waiting time : 20.5
12 -----
13 Process exited after 37.01 seconds with return value 0
14 Press any key to continue . . .
15
16
17
18
19
20
21 total_time_quantum+=burst_time[process_no];
22 }
23 system("CLS");
24 cout<<"The details of time quantum are as follows:\n";
25 cout<<"\nThe time quantum for first Iteration is 3.\n";
26 cout<<"\nThe time quantum for first Iteration is 6.\n";
```

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Abort Compilation  
☐ Shorten compiler paths

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Vaibhav\Documents\GitHub\Operating-System-CSE316\Operating_system_schedular_code.exe
- Output Size: 1.83580493927002 MiB
- Compilation Time: 3.11s
```

Line: 1 Col: 1 Sel: 0 Lines: 118 Length: 3922 Insert Done parsing in 1.375 seconds

## Test Case: 2

C:\Users\Vaibhav\Documents\GitHub\Operating-System-CSE316\Operating\_system\_scheduling\_code.cpp - [Executing] - Dev-C++ 5.11

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(globals)

```
Operating_system.exe
The details of time quantum are as follows:
1 #include
2 #include
3 #include
4 int
5 do
6 int
7 int main()
8 {
9     // Process
10    // Arrival time, Burst time, Completion time, Turnaround Time, waiting time
11    // P1, 0, 20, 26, 26, 6
12    // P2, 3, 36, 75, 72, 36
13    // P3, 13, 19, 45, 32, 13
14    // P4, 20, 42, 152, 132, 90
15    // P5, 36, 69, 221, 185, 116
16    // P6, 41, 35, 110, 69, 34
17    // Average Trunaround time : 86
18    // Average Waiting time : 49.1667
19    // -----
20    // Process exited after 41.12 seconds with return value 0
21    // Press any key to continue . . .
22 }
23
24 cout<<"The details of time quantum are as follows:\n";
25 cout<<"\nThe time quantum for first Iteration is 3.\n";
26 cout<<"The time quantum for first Iteration is 6.\n";
```

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Shorten compiler paths

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- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Vaibhav\Documents\GitHub\Operating-System-CSE316\Operating\_system\_scheduling\_code.exe
- Output Size: 1.83580493927002 MiB
- Compilation Time: 2.91s

Line: 1 Col: 1 Sel: 0 Lines: 118 Length: 3922 Insert Done parsing in 1.375 seconds

## Test Case: 3

C:\Users\Vaibhav\Documents\GitHub\Operating-System-CSE316\Operating\_system\_schudular\_code.cpp - [Executing] - Dev-C++ 5.11

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(globals)

TDM-GCC 4.9.2 64-bit Release

Operating\_system\_schudular\_code.cpp

```
1 #include<stdio.h>
2 #include<iostream>
3 #include<vector>
4 int size;
5 double time_quantum;
6 int current_time;
7 int main()
8 {
9     using namespace std;
10    cout<<"The details of time quantum are as follows:"<<endl;
11    cin>>size;
12    cout<<"The time quantum for first Iteration is 3."<<endl;
13    for(int i=1; i<=size; i++)
14    {
15        cout<<"The time quantum for first Iteration is 6."<<endl;
16        cout<<"After second iteration the Shortest job will assign CPU."<<endl;
17    }
18    cout<<"Average Trunaround time : 24.8"<<endl;
19    cout<<"Average Waiting time : 16.5"<<endl;
20    return 0;
21 }
22
23 system("pause");
24 cout<<"Press any key to continue . . .";
25
```

C:\Users\Vaibhav\Documents\GitHub\Operating-System-CSE316\Operating\_system\_schudular\_code.exe

The details of time quantum are as follows:

The time quantum for first Iteration is 3.

The time quantum for first Iteration is 6.

After second iteration the Shortest job will assign CPU.

Process	Arival time	Burst time	Complection time	Turnaround Time	waiting time
P1	0	6	14	14	8
P2	3	16	51	48	32
P3	5	2	11	6	4
P4	9	8	29	20	12
P5	10	7	21	11	4
P6	22	5	41	19	14
P7	14	13	64	50	37
P8	26	4	36	10	6
P9	17	19	83	66	47
P10	28	3	32	4	1

Average Trunaround time : 24.8

Average Waiting time : 16.5

Process exited after 28.11 seconds with return value 0

Press any key to continue . . .

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Errors: 0

Warnings: 0

Output Filename: C:\Users\Vaibhav\Documents\GitHub\Operating-System-CSE316\Operating\_system\_schudular\_code.exe

Output Size: 1.83580493927002 MiB

Compilation Time: 2.94s

Line: 1 Col: 1 Sel: 0 Lines: 118 Length: 3922 Insert Done parsing in 1.375 seconds