

Revision of Test Cases

First Revision :

```
E:\>
Enter the arrival time and burst time of the processes

Process P1
Arrival time = 0
Burst time = 18

Process P2
Arrival time = 2
Burst time = 23

Process P3
Arrival time = 4
Burst time = 13

Process P4
Arrival time = 13
Burst time = 10

Process      Arival time    Burst time    Completion time    Turnaround Time    waiting time
P1           0             18           18                0                  0
P2           2             23           27                0                  0
P3           4             13           0                 0                  0
P4           13            10           0                 0                  0

Average Trunaround time : 0
Average Waiting time : 0

Process exited after 10.66 seconds with return value 0
Press any key to continue . . .

cout<<"\n\n Average Trunaround time : "<<(avg_trunaround_time)/size<<endl;
cout<<" Average Waiting time : "<<(avg_waiting_time)/size<<endl;
```

Resources Compile Log Debug Find Results Close

Application

Compiler paths

Errors: 0
Warnings: 0
Output Filename: E:\Python\try.exe
Output Size: 1.83413887023926 MiB
Compilation Time: 3.64s

6:10:34 PM

Sunday, March 8, 2020

March 2020

Su	Mo	Tu	We	Th	Fr
1	2	3	4	5	6
8	9	10	11	12	13
15	16	17	18	19	20
22	23	24	25	26	27
29	30	31	1	2	3
5	6	7	8	9	10

Show agenda

6:10 PM

Second Revision

```
E:\Python\try.exe
Enter the arrival time and burst time of the processes

Process P1
Arrival time = 0
Burst time = 18

Process P2
Arrival time = 2
Burst time = 23

Process P3
Arrival time = 4
Burst time = 13

Process P4
Arrival time = 13
Burst time = 10

Process      Arival time    Burst time    Completion time    Turnaround Time    waiting time
P1           0             18           0                 0                  0
P2           2             23           0                 0                  0
P3           4             13           13                0                  0
P4           13            10           23                0                  0

Average Trunaround time : 0
Average Waiting time : 0

Process exited after 8.902 seconds with return value 0
Press any key to continue . . .

cout<<"\n\n Average Trunaround time : "<<(avg_trunaround_time)/size<<endl;
cout<<" Average Waiting time : "<<(avg_waiting_time)/size<<endl;
```

Resources Compile Log Debug Find Results Close

Application

Compiler paths

Errors: 0
Warnings: 0
Output Filename: E:\Python\try.exe
Output Size: 1.83413887023926 MiB
Compilation Time: 3.69s

10:36:56 PM

Friday, March 13, 2020

March 2020

Su	Mo	Tu	We	Th	Fr
1	2	3	4	5	6
8	9	10	11	12	13
15	16	17	18	19	20
22	23	24	25	26	27
29	30	31	1	2	3
5	6	7	8	9	10

Show agenda

10:36 PM

Third Revision :

The screenshot shows a Windows desktop with a taskbar at the bottom. The taskbar includes icons for various applications and system utilities. A window titled "E:\Python\try.exe" is open, displaying the output of a C++ program. The program prompts the user to enter arrival and burst times for four processes (P1, P2, P3, P4). The output shows the completion times, turnaround times, and waiting times for each process. The average turnaround time is 0, and the average waiting time is 0. The program exits after 65.6 seconds with a return value of 0. A calendar widget is visible on the right side of the screen, showing the date Sunday, March 15, 2020, at 11:57:42 PM.

```
Enter the arrival time and burst time of the processes

Process P1
Arrival time = 0
Burst time = 18

Process P2
Arrival time = 2
Burst time = 23

Process P3
Arrival time = 4
Burst time = 13

Process P4
Arrival time = 13
Burst time = 10

Process      Arival time    Burst time    Completion time    Turnaround Time    waiting time
P1           0             18           0                 0                 0
P2           2             23           0                 0                 0
P3           4             13           22                0                 0
P4          13             10           32                0                 0

Average Trunaround time : 0
Average Waiting time : 0

-----
Process exited after 65.6 seconds with return value 0
Press any key to continue . . .
```

Compilation Log:

- Errors: 0
- Warnings: 0
- Output Filename: E:\Python\try.exe
- Output Size: 1.83413887023926 MiB
- Compilation Time: 3.84s

Fourth Revision :

The screenshot shows a Windows desktop with a taskbar at the bottom. The taskbar includes icons for various applications and system utilities. A window titled "E:\Python\try.exe" is open, displaying the output of a C++ program. The program prompts the user to enter arrival and burst times for four processes (P1, P2, P3, P4). The output shows the completion times, turnaround times, and waiting times for each process. The average turnaround time is 0, and the average waiting time is 0. The program exits after 11.62 seconds with a return value of 0. A calendar widget is visible on the right side of the screen, showing the date Thursday, March 19, 2020, at 6:27:09 AM.

```
Enter the arrival time and burst time of the processes

Process P1
Arrival time = 0
Burst time = 18

Process P2
Arrival time = 2
Burst time = 23

Process P3
Arrival time = 4
Burst time = 13

Process P4
Arrival time = 13
Burst time = 10

Process      Arival time    Burst time    Completion time    Turnaround Time    waiting time
P1           0             18           47                 0                 0
P2           2             23           64                 0                 0
P3           4             13           22                 0                 0
P4          13             10           32                 0                 0

Average Trunaround time : 0
Average Waiting time : 0

-----
Process exited after 11.62 seconds with return value 0
Press any key to continue . . .
```

Compilation Log:

- Output Size: 1.83413887023926 MiB
- Compilation Time: 3.67s

Fifth Revision : Successful

Operating-System-CSE316\os_code.cpp - [Executing] - Dev-C++ 5.11

Execute Tools AStyle Window Help



TDM-GCC 4.9.2 64-bit Release

```
...e std;
```

C:\Users\Vaibhav\Documents\GitHub\Operating-System-CSE316\os_code.exe

```
Process P2
Arrival time = 2
Burst time = 23

Process P3
Arrival time = 4
Burst time = 13

Process P4
Arrival time = 13
Burst time = 10

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      Arrival time  Burst time  Completion time  Turnaround Time  waiting time
P1           0             18          47                47                29
P2           2             23          64                62                39
P3           4             13          22                18                 5
P4          13             10          32                19                 9

Average Trunaround time : 36.5
Average Waiting time : 20.5

-----
Process exited after 11.28 seconds with return value 0
Press any key to continue . . .
```

```
...s: 0
...ngs: 0
...t Filename: C:\Users\Vaibhav\Documents\GitHub\Operating-System-CSE316\os_code.exe
...t Size: 1.83560371398926 MiB
...lation Time: 1.81s
```

8:35:33 AM

Saturday, March 21, 2020

March 2020

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Show agenda ^

8:35 AM