

```
C:\Users\91934\Documents\q1.cpp x + v
Enter number of processes: 3
Enter Burst Time for Process P1: 10
Enter Burst Time for Process P2: 5
Enter Burst Time for Process P3: 8
Enter Time Quantum: 3

Process Burst Time    Waiting Time    Turnaround Time
P1      10             13             23
P2       5              9             14
P3       8             14             22

Average Waiting Time = 12.00
Average Turnaround Time = 19.67

-----
Process exited after 10.38 seconds with return value 0
Press any key to continue . . .
```

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\91934\Documents\q1.exe
- Output Size: 129.2705078125 KiB
- Compilation Time: 0.36s
```

Line: 54 Col: 1 Sel: 0 Lines: 54 Length: 1372 Insert Done parsing in 0.016 seconds

```
Enter number of processes: 3
Enter Burst Time for Process 1: 6
Enter Burst Time for Process 2: 7
Enter Burst Time for Process 3: 8

Process Burst Time    Waiting Time    Turnaround Time
P1      6             0               6
P2      7             6               13
P3      8             13              21
```

```
Average Waiting Time = 6.33
Average Turnaround Time = 13.33
```

```
-----
Process exited after 16.71 seconds with return value 0
Press any key to continue . . .
```

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\91934\Documents\q1.exe
- Output Size: 129.7705078125 KiB
- Compilation Time: 0.70s
```

```
C:\Users\91934\Documents\q1.cpp x + v
Enter number of processes: 3
Enter Burst Time for Process P1: 10
Enter Burst Time for Process P2: 5
Enter Burst Time for Process P3: 8
Enter Time Quantum: 3

Process Burst Time    Waiting Time    Turnaround Time
P1      10             13                23
P2       5              9                14
P3       8             14                22

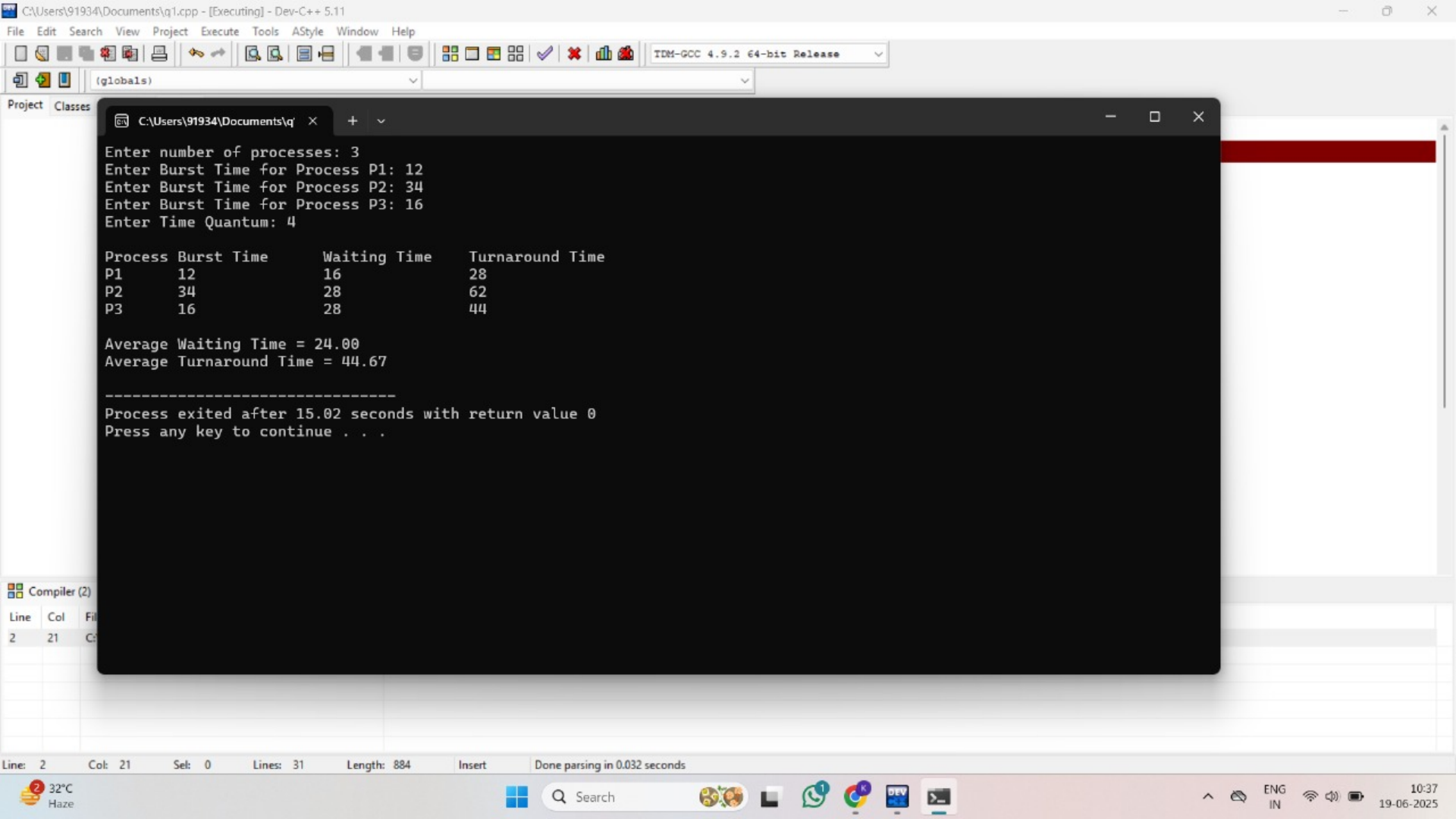
Average Waiting Time = 12.00
Average Turnaround Time = 19.67

-----
Process exited after 10.38 seconds with return value 0
Press any key to continue . . .
```

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\91934\Documents\q1.exe
- Output Size: 129.2705078125 KiB
- Compilation Time: 0.36s
```

Line: 54 Col: 1 Sel: 0 Lines: 54 Length: 1372 Insert Done parsing in 0.016 seconds



C:\Users\91934\Documents\q1.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

q1.cpp

```
1 #include <stdio.h>
2 #include <sys/ipc.h>
```

C:\Users\91934\Documents\q1

Enter number of processes: 5
Enter Burst Time for Process P1: 12
Enter Burst Time for Process P2: 34
Enter Burst Time for Process P3: 65
Enter Burst Time for Process P4: 90
Enter Burst Time for Process P5: 12
Enter Time Quantum: 4

Process Burst Time Waiting Time Turnaround Time
P1 12 32 44
P2 34 88 122
P3 65 122 187
P4 90 123 213
P5 12 48 60

Average Waiting Time = 82.60
Average Turnaround Time = 125.20

Process exited after 13.44 seconds with return value 0
Press any key to continue . . .

Compiler (2) Resource

Line	Col	File
2	21	C:\Users\91934\Documents\q1.cpp

Line: 2 Col: 21 Sel: 0 Lines: 45 Length: 1153 Insert

Done parsing in 0.109 seconds

32°C Haze

Search

ENG IN

10:38 19-06-2025

```
C:\Users\91934\Documents\q1.cpp x + -  
Reader 1 is reading...  
Reader 3 is reading...  
Reader 2 is reading...  
Reader 4 is reading...  
Reader 5 is reading...  
Reader 5 has finished reading.  
Reader 2 has finished reading.  
Reader 4 has finished reading.  
Reader 3 has finished reading.  
Reader 1 has finished reading.  
Writer 1 is writing...  
Writer 1 has finished writing.  
Writer 2 is writing...  
Writer 2 has finished writing.  
  
-----  
Process exited after 5.213 seconds with return value 0  
Press any key to continue . . .
```

- Compilation Time: 0.42s