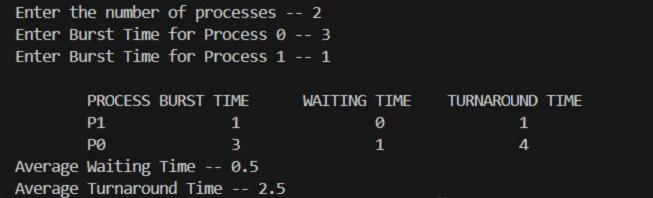```
PS C:\Users\NLN\OneDrive\Desktop\OS_Lab> cd "c:\Users\NLN\OneDrive\Desktop\OS_Lab\lab 2\" ; if ($?) { g++ Q1.cpp -o Q1 } ; if ($?)
 .\Q1 }
Enter the number of processes -- 2
Enter Burst Time for Process 0 -- 1
Enter Burst Time for Process 1 -- 3

   PROCESS   BURST TIME   WAITING TIME   TURNAROUND TIME
        P0   1   0   1
        P1   3   1   4

Average Waiting Time -- 0.50
Average Turnaround Time -- 2.50
PS C:\Users\NLN\OneDrive\Desktop\OS_Lab\lab 2>
```

```
Enter the number of processes -- 2
Enter Burst Time for Process 0 -- 3
Enter Burst Time for Process 1 -- 1

        PROCESS BURST TIME      WAITING TIME      TURNAROUND TIME
        P1              1               0                 1
        P0              3               1                 4
Average Waiting Time -- 0.5
Average Turnaround Time -- 2.5
```

```
($?) { .\Q3 }
Enter the number of processes: 2

Enter Burst Time for process 1: 3

Enter Burst Time for process 2: 1

Enter time quantum: 4

The Average Turnaround time is: 3.5
The Average Waiting time is: 1.5

PROCESS BURST TIME        WAITING TIME        TURNAROUND TIME
1        3                0                   3
2        1                3                   4
PS C:\Users\NLN\OneDrive\Desktop\OS_Lab\lab 2>
```

```
($?) { .\Q4 }
Enter the number of processes: 4
Enter the Burst Time & Priority of Process 0: 2

12
Enter the Burst Time & Priority of Process 1: 2
12
Enter the Burst Time & Priority of Process 2: 3 1
Enter the Burst Time & Priority of Process 3: 2 5


PROCESS PRIORITY         BURST TIME       WAITING TIME     TURNAROUND TIME
-----------------------------------------------------------------
2       1                3                0                3
3       5                2                3                5
0       12               2                5                7
1       12               2                7                9


Average Waiting Time: 3.75
Average Turnaround Time: 6.00
```