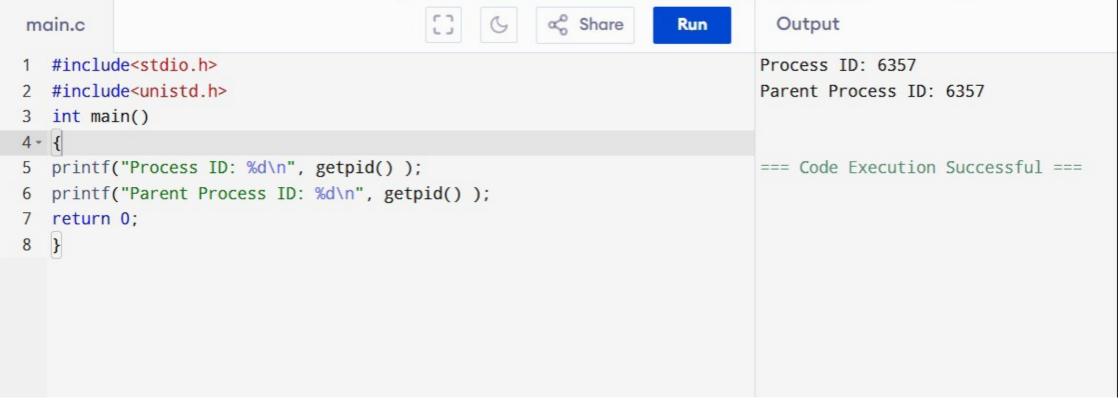
rogramiz

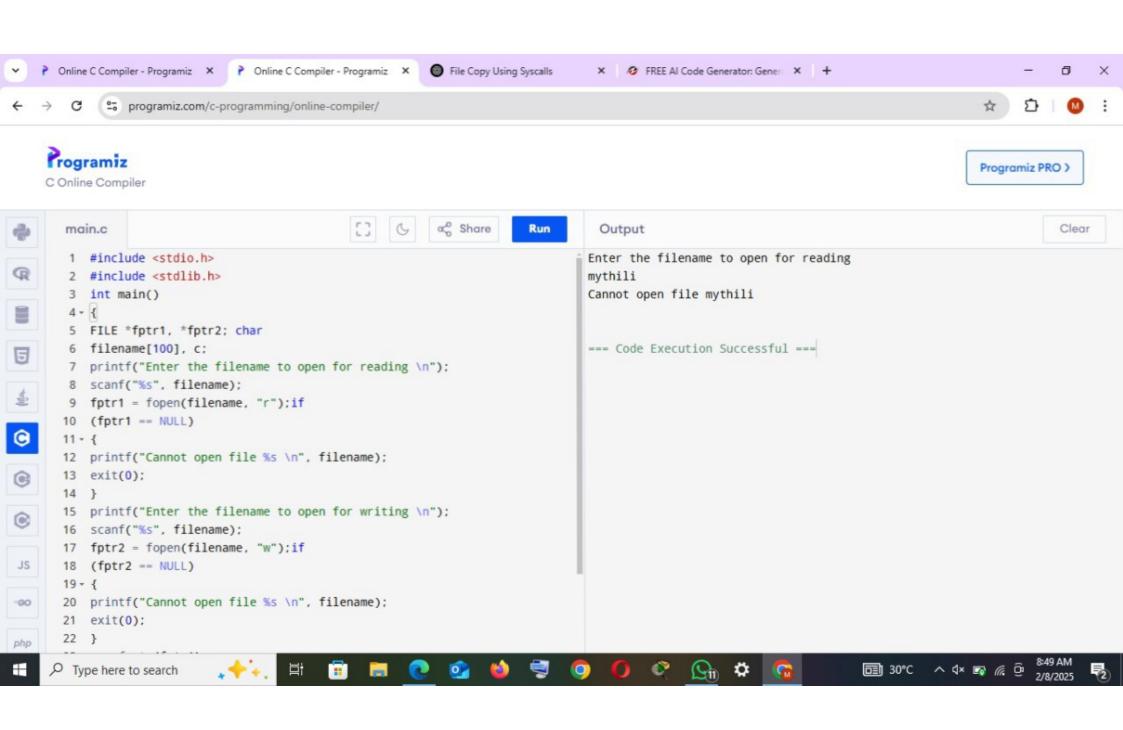
C Online Compiler

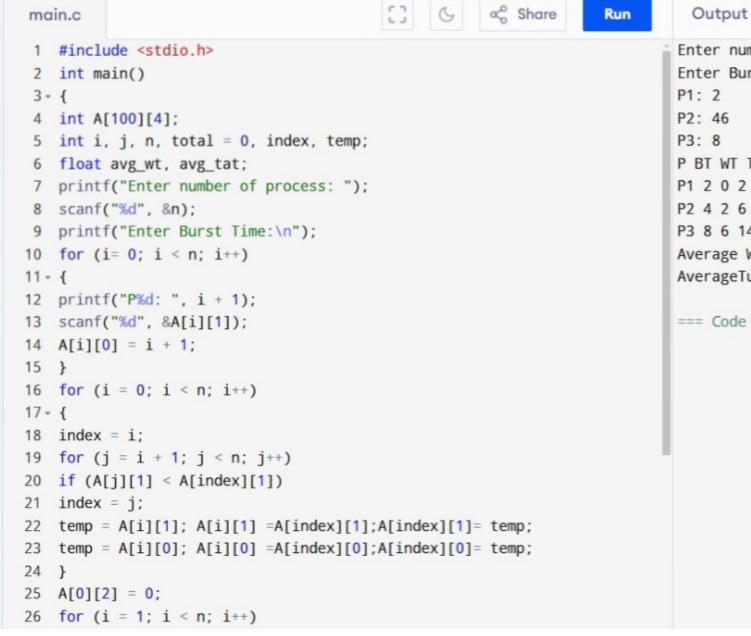
Courses by Programiz



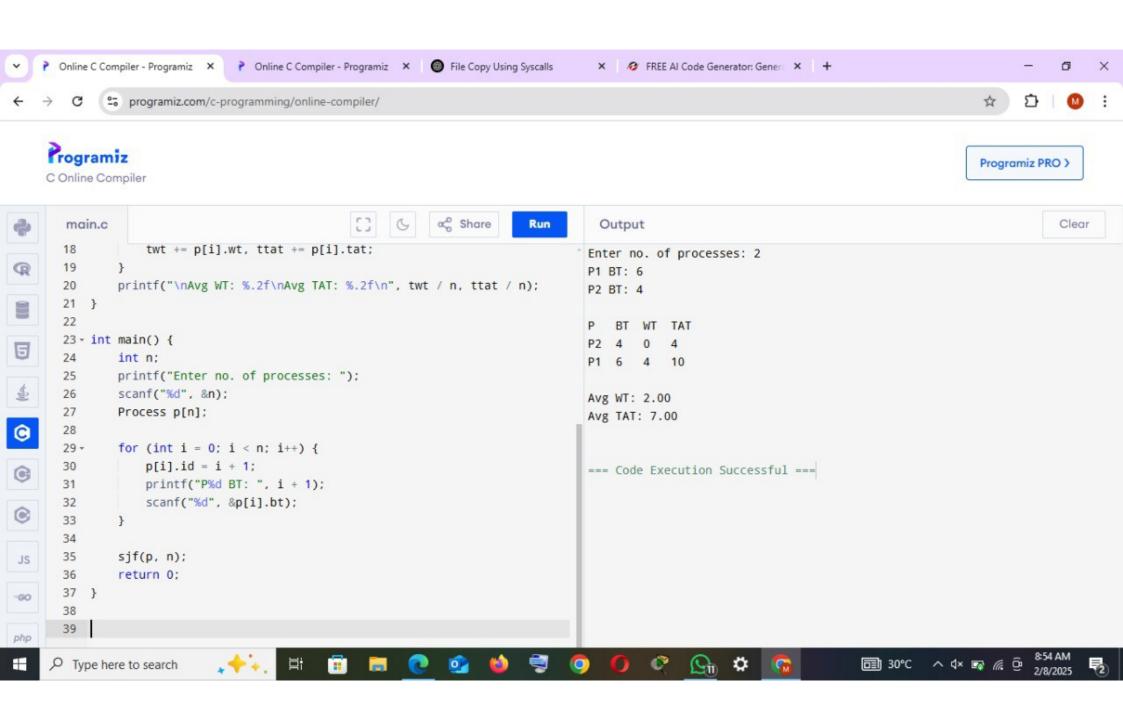








```
Enter number of process: 3
Enter Burst Time:
P BT WT TAT
P3 8 6 14
Average Waiting Time= 2.666667
AverageTurnaround Time= 7.333333
=== Code Execution Successful ===
```



Courses by Programiz





```
∝ Share
                                                                               Output
main.c
                                                                     Run
   #include <stdio.h>
                                                                              Enter number of processes: 3
2 * typedef struct {
                                                                              Enter burst time for each process:
        int pid;
                                                                             Process 1: 1
 3
        int burst time;
 4
                                                                              Process 2: 2
        int remaining time;
                                                                              Process 3: 3
        int turnaround time;
                                                                             Enter time quantum: 3
        int waiting time;
                                                                             Process Burst Time Waiting Time
                                                                                                                   Turnaround Time
    } Process;
                                                                                     1
                                                                                              0
9
                                                                                                      3
10 - void RoundRobin(Process processes[], int n, int quantum) {
                                                                                      3
                                                                                              3
11
        int time = 0, completed = 0;
        for (int i = 0; i < n; i++) {
                                                                             Average Waiting Time: 1.33
12 -
            processes[i].remaining_time = processes[i].burst_time;
                                                                             Average Turnaround Time: 3.33
13
14
        }
        // Round Robin Scheduling
15
        while (completed < n) {</pre>
                                                                              === Code Execution Successful ===
16 -
            for (int i = 0; i < n; i++) {
17 -
                if (processes[i].remaining_time > 0) {
18 -
                    if (processes[i].remaining time > quantum) {
19 -
                        time += quantum;
20
21
                        processes[i].remaining_time -= quantum;
22 -
                    } else {
23
                        time += processes[i].remaining_time;
24
                        processes[i].waiting time = time - processes[i]
                             .burst time;
```

