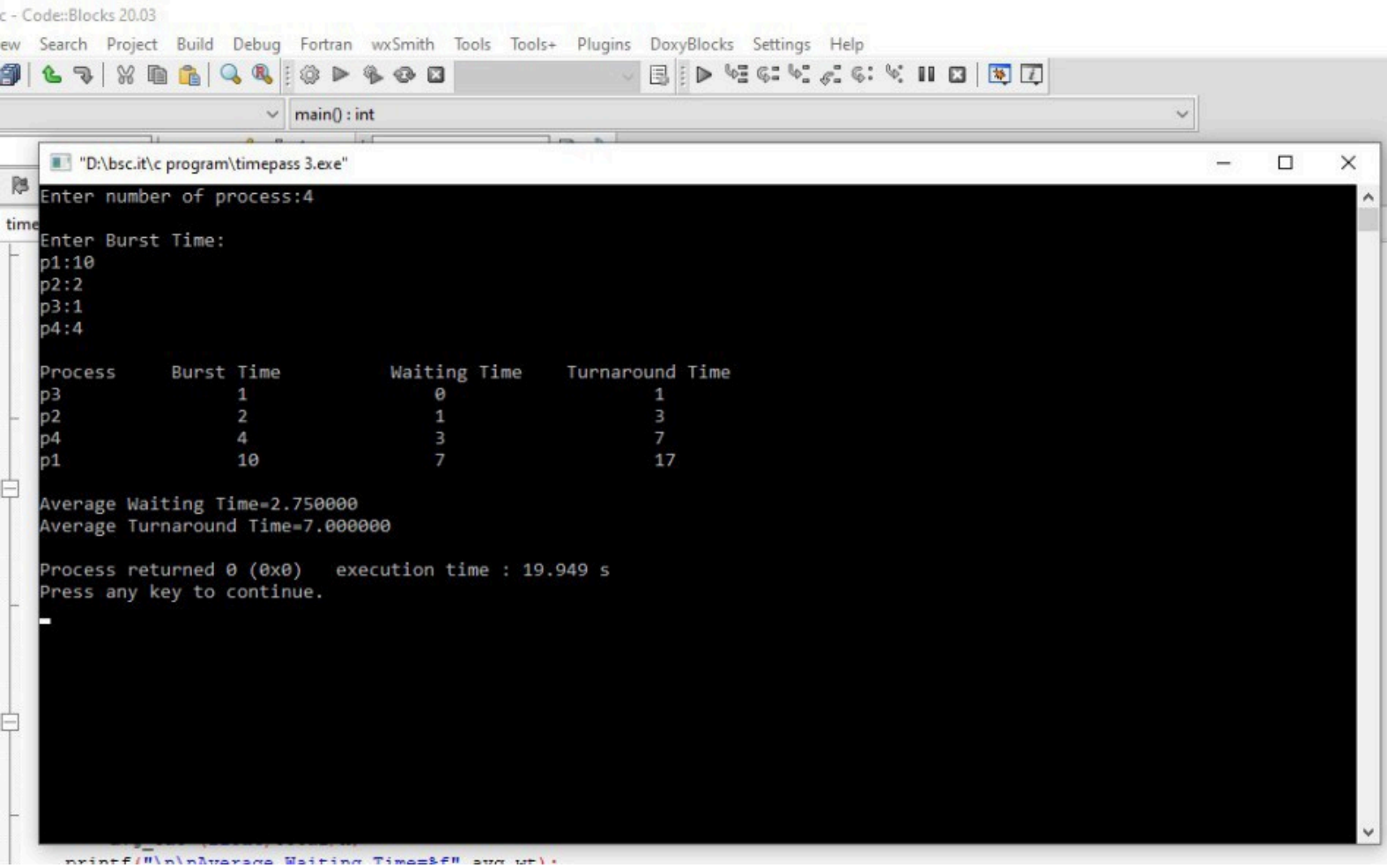
```
# include <stdio.h>
  int main ()
{
  int
bt[20], p[20], wt[20], tat[20], i, j, n, total = 0, pos, temp;
    float avg_wt, avg_tat;
  printf ("Enter number of process:");
    scanf ("%d", &n);

    printf ("\nEnter Brust Time:\n");
      for (i=0; i<n; i++)
  {
      printf ("p %d:", i+1);
      scanf ("%d", &bt[i]);
        p[i] = i+1;
    }
  // sorting of brust times
      for (i=0; i<n; i++)
  {
      pos = i;
      for (j = i+1; j<n; j++)
  {
        if (bt[j] < bt[pos])
            pos = j;
  }
    temp = bt[i];
      bt[i] = bt[pos];
      bt[pos] = temp;
  }
    wt[0] = 0;
```

```
for (i=1; i<n; i++)
  {
      wt[i] = 0;
    for (j=0; j<i; j++)
        wt[i] += bt[j];

      total += wt[i];
  }
    avg_wt = (float) total/n;
      total = 0;
  printf("\n Process\t Brust Time \t Waiting Time
                Turnaround time");
    for (i=0; i<n; i++)
  {
      tat[i] = bt[i] + wt[i];
       total += tat[i];
    printf("\np %d\t\t %d\t\t %d\t\t %d", p[i], bt[i],
                wt[i], tat[i]);
}
   avg_tat = (float) total/n;
  printf("\n\nAverage Waiting time = %f", avg_wt);
    printf("\n Average Turnaround time = %f", Avg_tat);

    }
```


c - Code::Blocks 20.03
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main() : int
"D:\bsc.it\c program\timepass 3.exe"
Enter number of process:4
Enter Burst Time:
p1:10
p2:2
p3:1
p4:4
Process Burst Time Waiting Time Turnaround Time
p3 1 0 1
p2 2 1 3
p4 4 3 7
p1 10 7 17
Average Waiting Time=2.750000
Average Turnaround Time=7.000000
Process returned 0 (0x0) execution time : 19.949 s
Press any key to continue.