```
 8  ********************************************************************************/
 9  #include<stdio.h>
10  int main()
11  {
12  int bt[20],p[20],wt[20],tat[20],i,j,n,total=0,pos,temp;
13  float avg_wt,avg_tat;
14  printf("Enter number of process:");
15  scanf("%d",&n);
16
17  printf("nEnter Burst Time:n");
18  for(i=0;i<n;i++)
19  {
20  printf("p%d:",i+1);
21  scanf("%d",&bt[i]);
22  p[i]=i+1;
23  }
24
25  //sorting of burst times
26  for(i=0;i<n;i++)
27  {
28  pos=i;
29  for(j=i+1;j<n;j++)
30  {
31  if(bt[j]<bt[pos])
32  pos=j;
33  }
34
35  temp=bt[i];
36  bt[i]=bt[pos];
37  bt[pos]=temp;
38
39  temp=p[i];
40  p[i]=p[pos];
41  p[pos]=temp;
42  }
43
```

input

Press ENTER to exit console.

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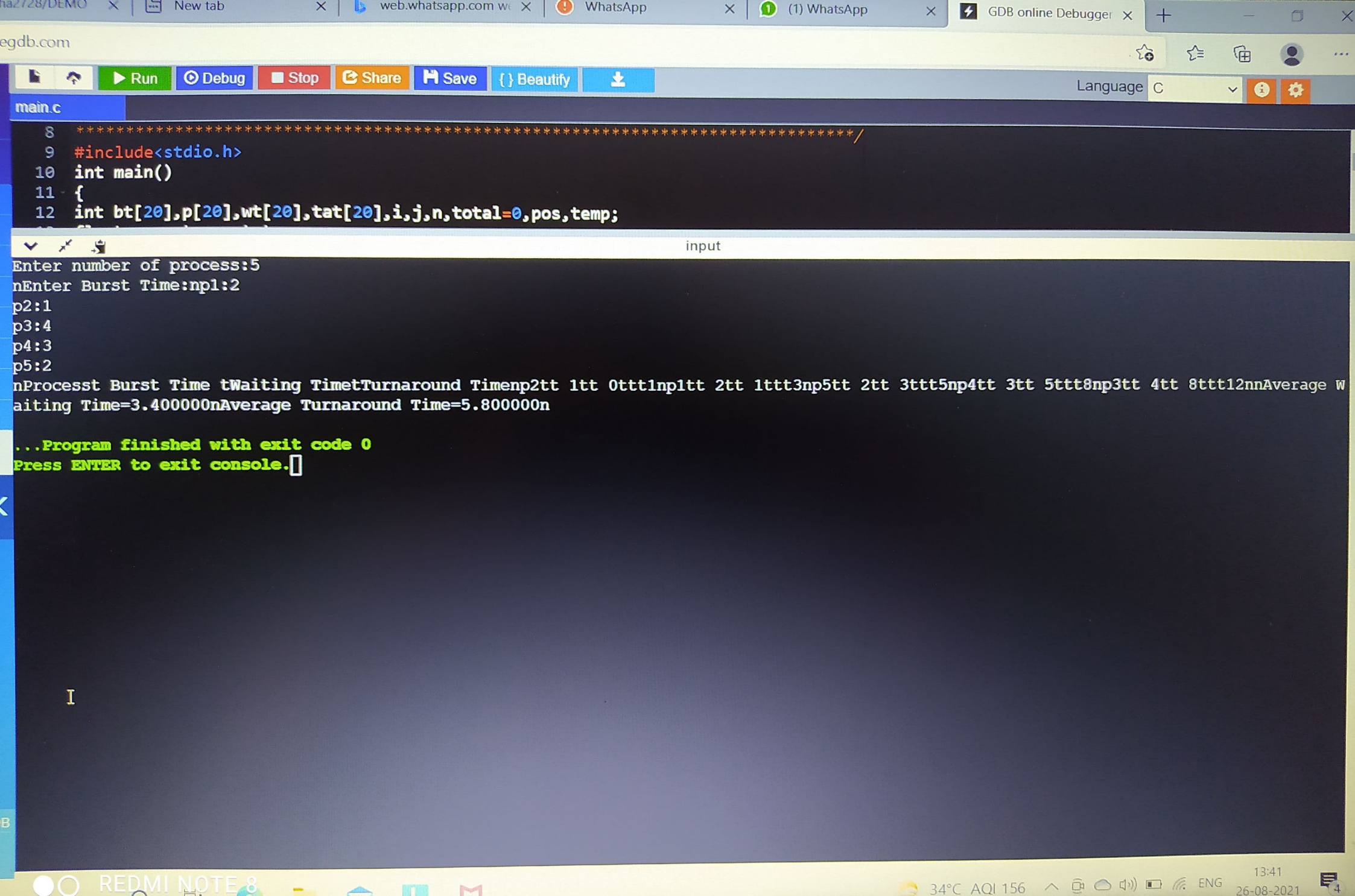
main.c

```
35  temp=bt[i];
36  bt[i]=bt[pos];
37  bt[pos]=temp;
38
39  temp=p[i];
40  p[i]=p[pos];
41  p[pos]=temp;
42  }
43
44  wt[0]=0;
45
46
47  for(i=1;i<n;i++)
48  {
49  wt[i]=0;
50  for(j=0;j<i;j++)
51  wt[i]+=bt[j];
52
53  total+=wt[i];
54  }
55
56  avg_wt=(float)total/n;
57  total=0;
58
59  printf("nProcesst Burst Time tWaiting TimetTurnaround Time");
60  for(i=0;i<n;i++)
61  {
62  tat[i]=bt[i]+wt[i];
63  total+=tat[i];
64  printf("np%dtt %dtt %dttt%d",p[i],bt[i],wt[i],tat[i]);
65  }
66
67  avg_tat=(float)total/n;
68  printf("nnAverage Waiting Time=%f",avg_wt);
69  printf("nAverage Turnaround Time=%fn",avg_tat);
70  }
```

input

EDMI NOTE 8o exit console


New tab
web.whatsapp.com
WhatsApp
(1) WhatsApp
GDB online Debugger
egdb.com
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
main.c
#include<stdio.h>
int main()
{
int bt[20],p[20],wt[20],tat[20],i,j,n,total=0,pos,temp;
input
Enter number of process:5
nEnter Burst Time:np1:2
p2:1
p3:4
p4:3
p5:2
nProcesst Burst Time tWaiting TimetTurnaround Timenp2tt 1tt 0ttt1np1tt 2tt 1ttt3np5tt 2tt 3ttt5np4tt 3tt 5ttt8np3tt 4tt 8ttt12nnAverage Waiting Time=3.400000nAverage Turnaround Time=5.800000n
...Program finished with exit code 0
Press ENTER to exit console.