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Section - BSC(IT) 2B

Question 2

```
#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 Burst Time:\n");
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;

    temp = p[i];
    p[i] = p[pos];
    p[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("\nProcess  Burst Time  Waiting Time
        Turnaround Time");
```

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

Rishabh
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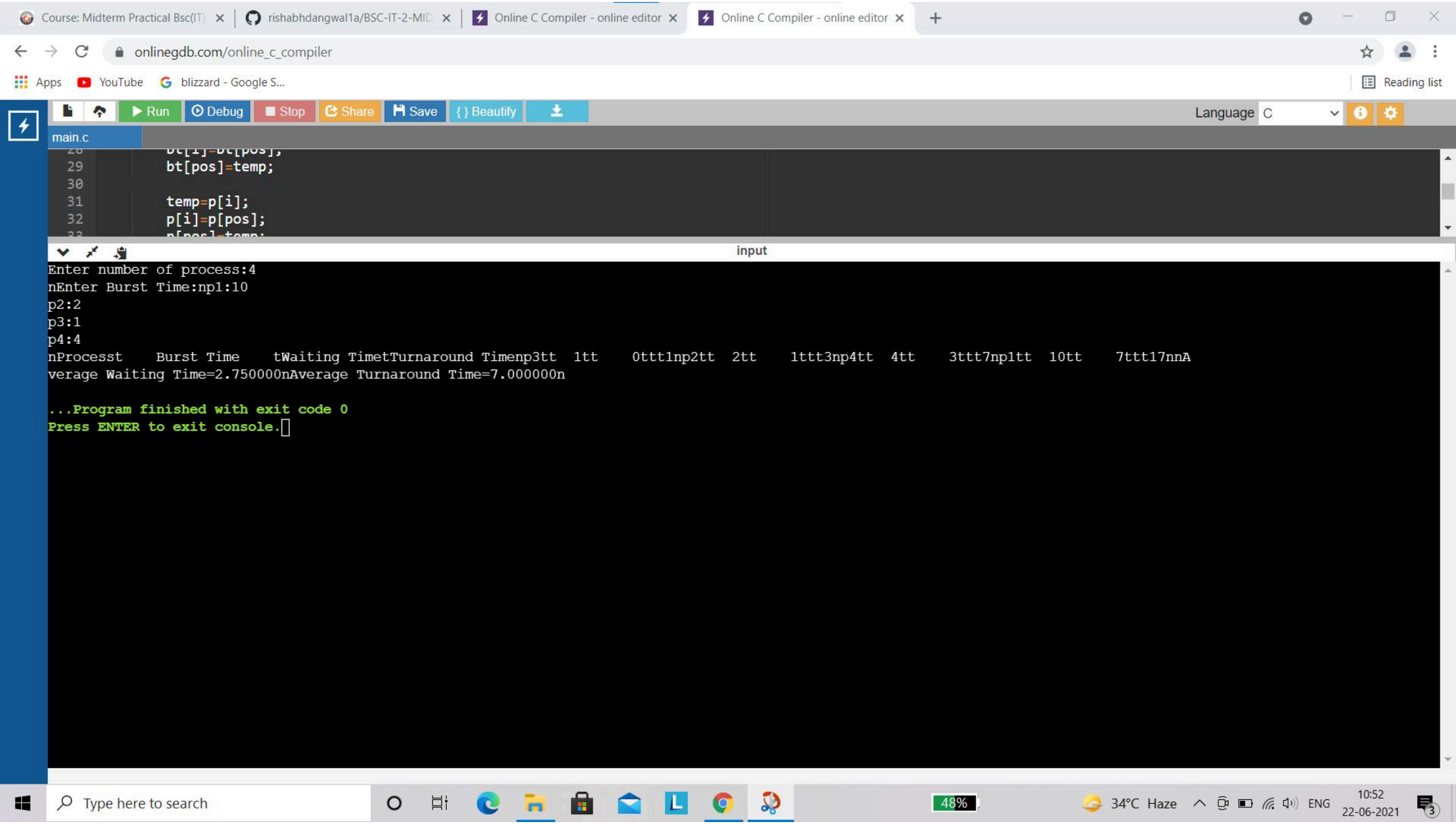
Course: Midterm Practical Bsc(IT)
rishabhdangwal1a/BSC-IT-2-MID
Online C Compiler - online editor
Online C Compiler - online editor
onlinegdb.com/online_c_compiler
Apps
YouTube
blizzard - Google S...
Reading list
Run
Debug
Stop
Share
Save
{ } Beautify
Language C
main.c
bt[pos]=temp;
temp=p[i];
p[i]=p[pos];
input
Enter number of process:4
nEnter Burst Time:np1:10
p2:2
p3:1
p4:4
nProcesst Burst Time tWaiting TimetTurnaround Timenp3tt 1tt 0ttt1np2tt 2tt 1ttt3np4tt 4tt 3ttt7np1tt 10tt 7ttt17nnA
verage Waiting Time=2.750000nAverage Turnaround Time=7.000000n
...Program finished with exit code 0
Press ENTER to exit console.
Type here to search
48%
34°C Haze
ENG
10:52
22-06-2021