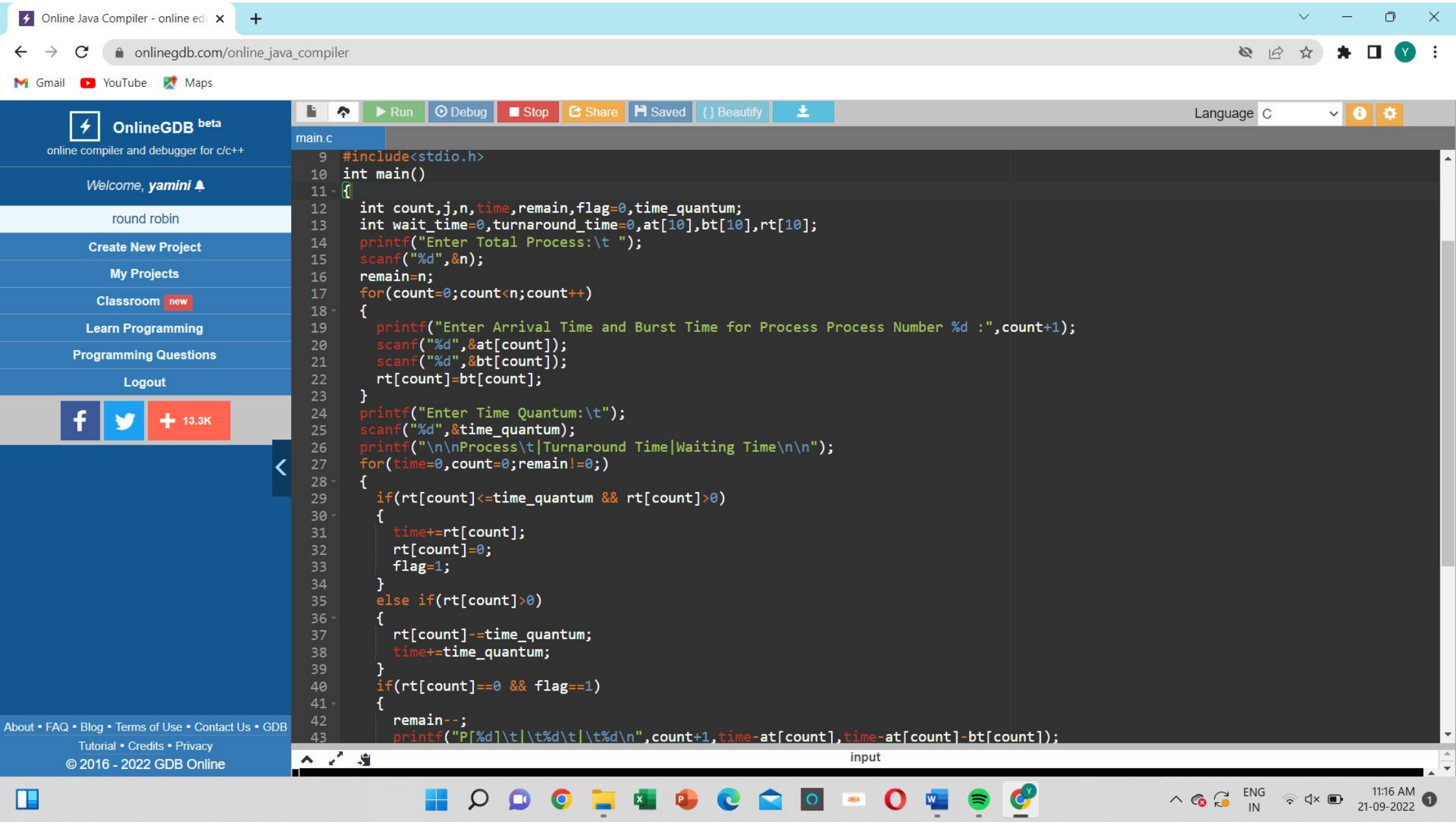
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Language C
main.c
#include<stdio.h>
int main()
{
int count,j,n,time,remain,flag=0,time_quantum;
int wait_time=0,turnaround_time=0,at[10],bt[10],rt[10];
printf("Enter Total Process:\t ");
scanf("%d",&n);
remain=n;
for(count=0;count<n;count++)
{
printf("Enter Arrival Time and Burst Time for Process Process Number %d :",count+1);
scanf("%d",&at[count]);
scanf("%d",&bt[count]);
rt[count]=bt[count];
}
printf("Enter Time Quantum:\t");
scanf("%d",&time_quantum);
printf("\n\nProcess\t|Turnaround Time|Waiting Time\n\n");
for(time=0,count=0;remain!=0;)
{
if(rt[count]<=time_quantum && rt[count]>0)
{
time+=rt[count];
rt[count]=0;
flag=1;
}
else if(rt[count]>0)
{
rt[count]-=time_quantum;
time+=time_quantum;
}
if(rt[count]==0 && flag==1)
{
remain--;
printf("P[%d]\t|\t%d\t|\t%d\n",count+1,time-at[count],time-at[count]-bt[count]);
input
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main.c

```c
printf("\n\nProcess\t|Turnaround Time|Waiting Time\n\n");
for(time=0,count=0;remain!=0;)
{
  if(rt[count]<=time_quantum && rt[count]>0)
  {
    time+=rt[count];
    rt[count]=0;
    flag=1;
  }
  else if(rt[count]>0)
  {
    rt[count]-=time_quantum;
    time+=time_quantum;
  }
  if(rt[count]==0 && flag==1)
  {
    remain--;
    printf("P[%d]\t|\t%d\t|\t%d\n",count+1,time-at[count],time-at[count]-bt[count]);
    wait_time+=time-at[count]-bt[count];
    turnaround_time+=time-at[count];
    flag=0;
  }
  if(count==n-1)
    count=0;
  else if(at[count+1]<=time)
    count++;
  else
    count=0;
}
printf("\nAverage Waiting Time= %f\n",wait_time*1.0/n);
printf("Avg Turnaround Time = %f",turnaround_time*1.0/n);

return 0;
}
```

input

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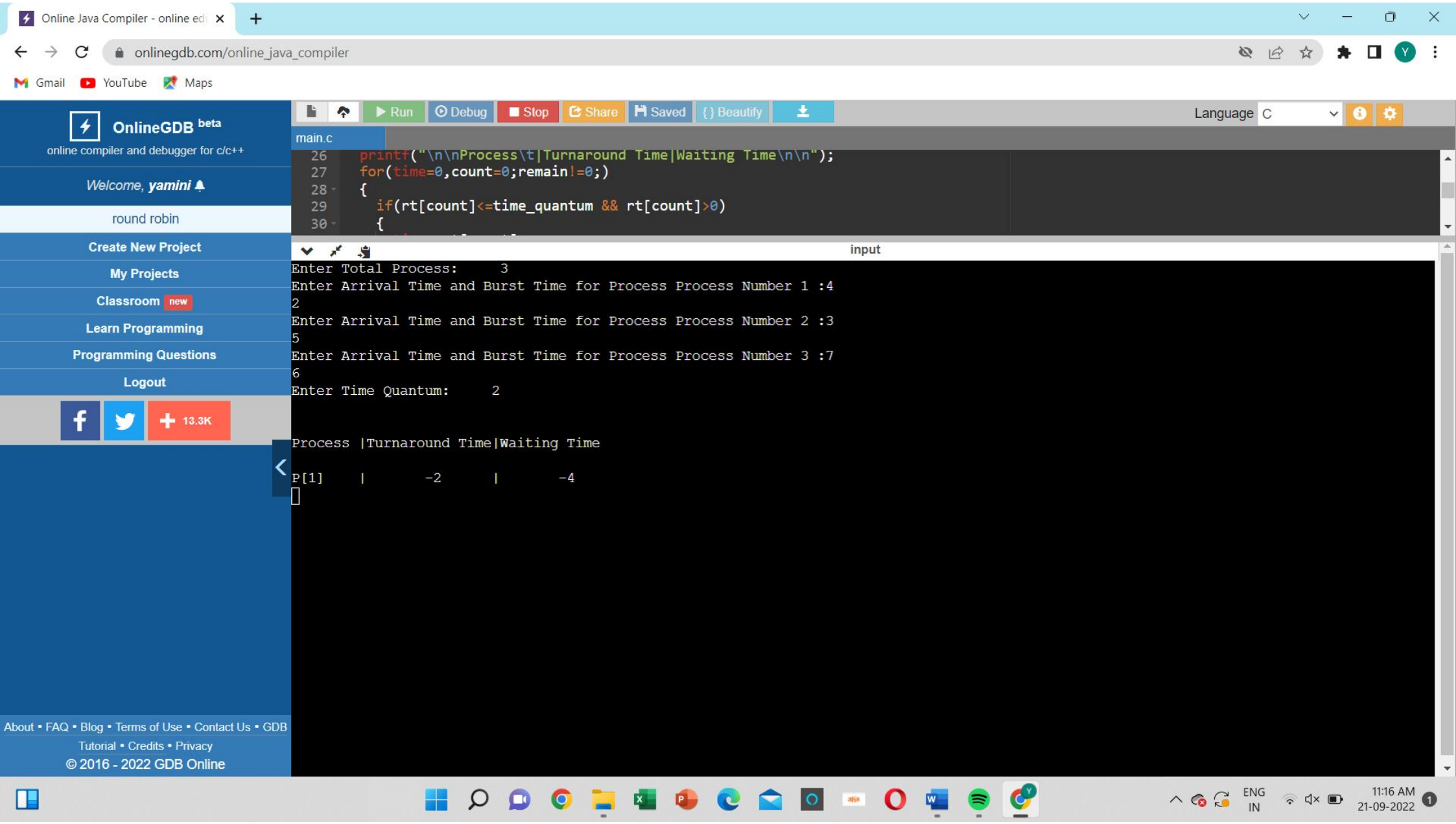
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printf("\n\nProcess\t|Turnaround Time|Waiting Time\n\n");
for(time=0,count=0;remain!=0;)
{
if(rt[count]<=time_quantum && rt[count]>0)
{
input
Enter Total Process: 3
Enter Arrival Time and Burst Time for Process Process Number 1 :4
2
Enter Arrival Time and Burst Time for Process Process Number 2 :3
5
Enter Arrival Time and Burst Time for Process Process Number 3 :7
6
Enter Time Quantum: 2
Process |Turnaround Time|Waiting Time
P[1] | -2 | -4
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