



<global> main() : int



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Sources

main.c

main.c

```
1  #include<stdio.h>
2
3  int main()
4  {
5      int count,j,n,time,remain,flag=0,time_quantum;
6      int wait_time=0,turnaround_time=0,at[10],bt[10],rt[10];
7      printf("Enter Total Process:\t ");
8      scanf("%d",&n);
9      remain=n;
10     for(count=0;count<n;count++)
11     {
12         printf("Enter Arrival Time %d) process :",count+1);
13         scanf("%d",&at[count]);
14         printf("Enter Burst time %d) process :",count+1);
15         scanf("%d",&bt[count]);
16         rt[count]=bt[count];
17     }
18     printf("Enter Time Quantum:\t");
19     scanf("%d",&time_quantum);
20     printf("\n\nProcess\t Turn around Time\tWaiting Time\n\n");
21     for(time=0,count=0;remain!=0;)
22     {
23         if(rt[count]<=time_quantum && rt[count]>0)
24         {
25             time+=rt[count];
26             rt[count]=0;
27             flag=1;
28         }
29         else if(rt[count]>0)
30         {
```

Logs & others



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```
25     time+=rt[count];
26     rt[count]=0;
27     flag=1;
28 }
29 else if(rt[count]>0)
30 {
31     rt[count]-=time_quantum;
32     time+=time_quantum;
33 }
34 if(rt[count]==0 && flag==1)
35 {
36     remain--;
37     printf("P[%d]\t\t%d\t\t%d\n", count+1, time-at[count], time-at[count]-bt[count]);
38     wait_time+=time-at[count]-bt[count];
39     turnaround_time+=time-at[count];
40     flag=0;
41 }
42 if(count==n-1)
43     count=0;
44 else if(at[count+1]<=time)
45     count++;
46 else
47     count=0;
48 }
49 printf("\nAverage Waiting Time= %f\n", wait_time*1.0/n);
50 printf("Avg Turnaround Time    = %f", turnaround_time*1.0/n);
51
52 return 0;
53 }
54
```

Logs & others

Enter Total Process: 3
Enter Arrival Time 1) process :1
Enter Burst time 1) process :24
Enter Arrival Time 2) process :2
Enter Burst time 2) process :3
Enter Arrival Time 3) process :3
Enter Burst time 3) process :3
Enter Time Quantum: 3

Process	Turn around Time	Waiting Time
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P[2]	4	1
P[3]	6	3
P[1]	29	5

Average Waiting Time= 3.000000

Avg Turnaround Time = 13.000000

Process returned 0 (0x0) execution time : 11.469 s

Press any key to continue.



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