

```
main.c
1 #include<stdio.h>
2 int main()
3 {
4     int at[10],bt[10],rt[10],endTime,i,smallest;
5     int remain=0,n,time,sum_wait=0,sum_turnaround=0;
6     printf("Enter no of Processes : ");
7     scanf("%d",&n);
8     for(i=0;i<n;i++)
9     {
10         printf("Enter arrival time for Process P%d : ",i+1);
11         scanf("%d",&at[i]);
12         printf("Enter burst time for Process P%d : ",i+1);
13         scanf("%d",&bt[i]);
14         rt[i]=bt[i];
15     }
16 }
17 printf("\n\nProcess\t|Turnaround Time| Waiting Time\n\n");
18 rt[9]=9999;
19 for(time=0;remain!=n;time++)
20 {
21     smallest=9;
22     for(i=0;i<n;i++)
23     {
24         if(at[i]<=time && rt[i])
25         {
26             smallest=i;
27         }
28     }
```

## Output

```
/tmp/TbebzTtuce.o
Enter no of Processes : 4
Enter arrival time for Process P1 : 0
Enter burst time for Process P1 : 5
Enter arrival time for Process P2 : 1
Enter burst time for Process P2 : 3
Enter arrival time for Process P3 : 2
Enter burst time for Process P3 : 3
Enter arrival time for Process P4 : 4
Enter burst time for Process P4 : 1
Process |Turnaround Time| Waiting Time
```

P[4]	1	0
P[3]	4	1
P[2]	7	4
P[1]	12	7

Average waiting time = 3.000000  
Average Turnaround time = 4.800000

Clear

Average waiting time = 3.000000  
Average Turnaround time = 4.800000

