

(globals)

Project C ROUNDROBIN.C diningphilos.c multithreados.c

```

1 #include<stdio.h>
2 #include<conio.h>
3 int main()
4 {
5     int i, NOP, sum=0, count=0, y, quant, wt=0, tat=0, at[10], bt[10], temp[10];
6     float avg_wt, avg_tat;
7     printf("Total number of process in the system: ");
8     scanf("%d", &NOP);
9     y = NOP;
10    for(i=0; i<NOP; i++)
11    {
12        printf("Enter the Arrival and Burst time of the Process[%d]\n", i+1);
13        printf("Arrival time is: ");
14        scanf("%d", &at[i]);
15        printf("Burst time is: ");
16        scanf("%d", &bt[i]);
17        temp[i] = bt[i];
18    }
19    printf("Enter the Time Quantum for the process: ");
20    scanf("%d", &quant);
21    printf("Process No \t\tBurst Time \t\tTAT\t\tWaiting Time ");
22    for(sum=0, i = 0; y!=0; )
23    {
24        if(temp[i] <= quant && temp[i] > 0)
25        {
26            sum = sum + temp[i];
27            temp[i] = 0;
28            count++;
29        }
30        else if(temp[i] > 0)
31        {
32            temp[i] = temp[i] - quant;
33            sum = sum + quant;

```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

```

- Output Filename: C:\Users\aswin\Documents\ROUNDROBIN.
- Output Size: 323.7841796875 KiB
- Compilation Time: 0.19s

```

☐ Shorten compiler path

Line: 50 Col: 8 Sel: 0 Lines: 61 Length: 1530 Insert

C:\Users\aswin\Documents\ROUNDROBIN.exe

```

Total number of process in the system: 4
Enter the Arrival and Burst time of the Process[1]
Arrival time is: 0
Burst time is: 15
Enter the Arrival and Burst time of the Process[2]
Arrival time is: 8
Burst time is: 21
Enter the Arrival and Burst time of the Process[3]
Arrival time is: 9
Burst time is: 31
Enter the Arrival and Burst time of the Process[4]
Arrival time is: 18
Burst time is: 22
Enter the Time Quantum for the process: 6

```

Process No	Burst Time	TAT	Waiting Time
Process No[1]	15	33	18
Process No[2]	21	64	43
Process No[4]	22	64	42
Process No[3]	31	80	49

```

Average Turn Around Time: 38.000000
Average Waiting Time: 60.250000
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Process exited after 19.25 seconds with return value 0
Press any key to continue . . .

```

Done parsing in 0 seconds