

Program Number : 07

18Y18CS177

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C

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Answer

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#include <stdio.h>

int main()
{
    int count, j, n, time, flag=0, time-quantum, ch=0;
    int wait-time=0, turnaround-time=0, at[i], bt[i], rt[i];
    int cntime, i, smallest;
    int remain=0, sum-wait=0, sum-turnaround=0;
    printf("\n RoundRobin \n 2. SRTF \n");
    scanf("%d", &n);
    for (i=0; i<n; i++)
    {
        printf("enter arrival time for process %d ", i+1);
        scanf("%d", &at[i]);
        printf("enter burst time for process %d ", i+1);
        scanf("%d", &bt[i]);
        rt[i] = bt[i];
    }
    switch(ch)
    {
        case 1
        {
            printf("enter time quantum : ");
            scanf("%d", &time-quantum);
            remain = n;
            printf("\n process time | turnaround time | wait");
            for (time=0; count=0; remain!=0;)
            {
                if (rt[count] <= time-quantum && rt[count] > 0)
```



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}
time += nt[count];
nt[count] = 0;
flag = 1;
}
else if (nt[count] > 0)
{
    nt[count] -= time-quantum;
    time += time-quantum;
}
if (nt[count] == 0 && flag == 1)
{
    remain--;
    printf("P[%d] \t %d \t %d \t %d \t %d \n",
        count + 1, time - at[count], time - at[count] - bt[count],
        waittime += time - at[count] - bt[count],
        turnout_time += time - at[count],
        flag = 0);
}
if (count == n - 1)
    count = 0;
else if (at[count + 1] <= time)
    count++;
else
    count = 0;
}
printf("\n Average waiting Time = %.2f \n", wait_time / n);
printf("\n Avg Turnaround Time = %.2f \n", turnaround_time / n);

```



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default,  
printf ("busid %n") } return 0; }
```