```
#include<stdio.h>
void main()
int at[10],bt[10],rt[10],ct=0,i,quantum,counter,n;
float sum wait, sum turnaround;
printf("\n Enter the number of processes=");
scanf("%d",&n);
counter=n;
        for(i=0;i<n;i++)</pre>
        printf("Enter the arrival time for P%d=",i+1);
        scanf("%d",&at[i]);
        printf("Enter the burst time for P%d=",i+1);
        scanf("%d",&bt[i]);
        rt[i]=bt[i];
printf("\nEnter the time quantum=");
scanf("%d",&quantum);
printf("Given snapshot of execution is");
printf("\nProcess|Arrival|Burst");
for(i=0;i<n;i++)
printf("\nP[%d]|\t %d|\t %d",i+1,at[i],bt[i]);
printf("\n\nProcess|Burst|TA Time|Wait_Time");
        for(ct=0,i=0;counter!=0;)
        if(rt[i]<=quantum && rt[i]>0)
        ct=ct+rt[i];
        rt[i]=0;
        counter--;
printf("\nP[%d]|\t%d|\t%d|\t %d",i+1,bt[i],ct-at[i],ct-at[i]-bt[i]);
        sum wait=sum_wait+ct-at[i]-bt[i];
        sum_turnaround=sum_turnaround+ct-at[i];
        }
else if(rt[i]>0)
rt[i]=rt[i]-quantum;
ct=ct+quantum;
if(i==n-1)
i=0;
else if(at[i+1]<=ct)</pre>
```

```
i++;
}
else
i=0;
printf("\naveradge waiting time is %f",sum_wait/n);
printf("\naveradge Turnaround time is %f",sum_turnaround/n);
}
OUTPUT: -
 Enter the number of processes=5
Enter the arrival time for P1=0
Enter the burst time for P1=8
Enter the arrival time for P2=5
Enter the burst time for P2=2
Enter the arrival time for P3=1
Enter the burst time for P3=7
Enter the arrival time for P4=6
Enter the burst time for P4=3
Enter the arrival time for P5=8
Enter the burst time for P5=5
Enter the time quantum=2
Given snapshot of execution is
Process | Arrival | Burst
P[1]|
         0
                 8
P[2]
                  2
         5 |
P[3]|
         1
                 7
         6
P[4]|
                  3
         8
                  5
P[5]|
Process|Burst|TA Time|Wait Time
P[2]
        2
                 3|
                          1
P[1]
        8
                16
                          8
        3|
                13|
                          10
P[4]|
        5 |
P[5]
                          11
                16 l
P[3]|
        7
                24
                          17
averadge waiting time is 9.400000
averadge Turnaround time is 14.400000
```

...Program finished with exit code 0 Press ENTER to exit console.