```
import java.util.*;
import java.io.*;

public class robbin
{

   public static void main(String args[])
   {
      int n,sum=0;
      float total_tt=0,total_waiting=0;

       Scanner s=new Scanner(System.in);
       System.out.println("Enter Number Of Process U want 2 Execute---");
       n=s.nextInt();
       int arrival[]=new int[n];
       int cpu[]=new int[n];
       int ncpu[]=new int[n];
       int pri[]=new int[n];
       int finish[]=new int[100];
       int turntt[]=new int[n];
       int wait[]=new int[n];
       int process[]=new int[n];
       int t_quantum,difference,temp_sum=0,k=0;
       int seq[]=new int[100];

      // int pro[][]=new int[3][3];
       for(int i=0;i<n;i++)
       {
            System.out.println("Enter arrival time of "+(i+1)+" Process : ");
            arrival[i]=s.nextInt();
            System.out.println("Enter CPU time of "+(i+1)+" Process : ");
```

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        ncpu[i]=cpu[i]=s.nextInt();




        process[i]=i+1;
    }

System.out.println("Enter time quantum : ");
t_quantum = s.nextInt();

 int tv=0;
 for(int i=0;i<n;i++){temp_sum=temp_sum+cpu[i];}
 //System.out.println(temp_sum);



 System.out.println("Process execution sequence : ");
 while(sum!=temp_sum){
                for(int i=0;i<n;i++)
                {
                        if(ncpu[i]<t_quantum)
                                {
                                        difference=ncpu[i];
                                        tv=ncpu[i];
                                        ncpu[i]=0;
                                }
                        else
                                {
                                        difference = ncpu[i]-t_quantum;
                                        tv=t_quantum;
                                        ncpu[i]=difference;
                                }
```

```
                    if(tv > 0)
                    {
                sum=sum+tv;
                finish[k]=sum;
                seq[k]=i;
                System.out.print(seq[k]+1+" ");

                k++;

                }
            }
}
System.out.println();

for(int i=0;i<n;i++)
{
   int carr=0,tt=0;
   carr=arrival[i];

   for(int j=0;j<k;j++)
   {
            if(seq[j]==i)
            {
                    tt=tt+(finish[j]-carr);
                    carr=finish[j];
            }
    }

    turntt[i]=tt;
    System.out.println("Turn around time for "+(i+1)+" process : "+turntt[i]);
    total_tt=total_tt+turntt[i];
```

```
            wait[i]=turntt[i]-cpu[i];

            System.out.println("Waiting time for "+(i+1)+" process : "+wait[i]);

            total_waiting+=wait[i];
        }

        System.out.println("\n\nProcess\t\tAT\tCPU_T");
        for(int i=0;i<n;i++)
        {
            System.out.println(process[i]+"\t\t"+arrival[i]+"\t"+cpu[i]);
        }

        System.out.println("\n\n");
        System.out.println("Total turn around time is : "+(total_tt/n));
        System.out.println("Total waiting time is : "+(total_waiting/n));


    }
}
```

```
Enter Number Of Process U want 2 Execute---
2
Enter arrival time of 1 Process :
0
Enter CPU time of 1 Process :
4
Enter arrival time of 2 Process :
1
Enter CPU time of 2 Process :
4
Enter time quantum :
2
Process execution sequence :
1 2 1 2
Turn around time for 1 process : 6
Waiting time for 1 process : 2
Turn around time for 2 process : 7
Waiting time for 2 process : 3


Process     AT  CPU_T
1       0   4
2       1   4
Total turn around time is : 6.5
Total waiting time is : 2.5
```