

```

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

public class sjf
{

    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 finish[]=new int[n];
        int turntt[]=new int[n];
        int wait[]=new int[n];
        int process[]=new int[n];

        // 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 : ");
            cpu[i]=s.nextInt();

            process[i]=i+1;
        }
    }
}

```

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for(int i=0;i<n-1;i++)
{
    for(int j=i+1;j<n;j++)
    {
        if(cpu[i]>cpu[j])
        {
            int temp=cpu[i];
            cpu[i]=cpu[j];
            cpu[j]=temp;

            temp=arrival[i];
            arrival[i]=arrival[j];
            arrival[j]=temp;

            temp=process[i];
            process[i]=process[j];
            process[j]=temp;

        }
    }
}

```

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for(int i=0;i<n;i++)
{
    sum=sum+cpu[i];
    finish[i]=sum;
}

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for(int i=0;i<n;i++)

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{
    turntt[i]=finish[i]-arrival[i];

    total_tt=total_tt+turntt[i];

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

    total_waiting+=wait[i];
}

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

1

Enter CPU time of 1 Process :

2

Enter arrival time of 2 Process :

4

Enter CPU time of 2 Process :

5

Process	AT	CPU_T
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1	1	2
---	---	---

2	4	5
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Total turn around time is : 2.0

Total waiting time is : -1.5

=== Code Execution Successful ===