PRIORITY CODE

```java
import java.util.*;

import java.io.*;

public class priority

{

    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 pri[]=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();
```

```java
        System.out.println("Enter Priority of "+(i+1)+" Process : ");

        pri[i]=s.nextInt();


        process[i]=i+1;
    }
    for(int i=0;i<n-1;i++)
    {
        for(int j=i+1;j<n;j++)
        {
            if(pri[i]>pri[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;


                temp=pri[i];
                pri[i]=pri[j];
                pri[j]=temp;


            }
        }
```

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

    }
}
```

OUTPUT

Enter Number Of Process U want 2 Execute---

2

Enter arrival time of 1 Process :

0

Enter CPU time of 1 Process :

3

Enter Priority of 1 Process :

10

Enter arrival time of 2 Process :

2

Enter CPU time of 2 Process :

6

Enter Priority of 2 Process :

40

Process	AT	CPU_T
1	0	3
2	2	6

Total turn around time is : 5.0

Total waiting time is : 0.5