```java
package ass4SJF;


import java.util.*;
class Process{
 int pid;
 int burst;
 int waiting;
 int tat;

 Process(int pid,int burst){
  this.pid=pid;
  this.burst=burst;
 }
}

public class SJF {
 public static void main(String[]args) {
  Scanner sc=new Scanner(System.in);

  System.out.println("Enter number of processes:");
  int n=sc.nextInt();
  Process[] processes=new Process[n];

  for(int i=0;i<n;i++) {
   System.out.println("Enter burst time["+(i+1)+"]:");
   int  bt=sc.nextInt();
   processes[i]=new Process(i+1,bt);

   Arrays.sort(processes,Comparator.comparingInt(p->p.burst));
   int totalWT=0,totalTAT=0;
   processes[0].waiting=0;
   processes[0].tat=processes[0].burst;
   for(i=1;i<n;i++) {
    processes[i].waiting=processes[i-1].waiting+processes[i-1].burst;
    processes[i].tat=processes[i].waiting+processes[i].burst;
    totalWT+=processes[i].waiting;
    totalTAT+=processes[i].tat;
   }

   totalWT+=processes[0].waiting;
   totalTAT+=processes[0].tat;

   System.out.println("\n Process\tBurst Time\tWaiting Time\tTurnaround Time");
   for(Process p:processes)
   {
    System.out.println("P"+p.pid+"\t\t"+p.burst+"\t\t"+p.waiting+"\t\t"+p.tat);
   }
   System.out.printf("\n Average waiting time:%.2f",(double)totalWT/n);

   System.out.printf("\n Average turnaround time:%.2f\n",(double)totalTAT/n);
   }


  }
 }

```