```
import java.util.*;

public class SJF {
   public static void main(String args[]) {
      int prs, wt, tt;
      float sum = 0, sum2 = 0, sum3 = 0;
      float avg1, avg2, avg3;
      Scanner it = new Scanner(System.in);
      System.out.println("\nEnter no. of processes :");
      prs = it.nextInt();

      System.out.println("\nEnter Burst Time :\n");

      List<Integer> list = new ArrayList<Integer>();
      HashMap<Integer, Integer> sjf_map = new HashMap<Integer, Integer>();
      sum = 0;
      sum2 = 0;
      sum3 = 0;

      for (int i = 0; i < prs; i++) {
         System.out.println("Process : " + (i + 1));
         int p = it.nextInt();
         sjf_map.put(p, i + 1);
         list.add(p);
         sum = sum + list.get(i);
      }

      Collections.sort(list);
      wt = 0;
```

```
        tt = 0;

        System.out.println("--------------------------- SJF ---------------------------------------");
        System.out.println("Process\t\t" + "Burst Time \t" + "Waiting Time\t" + "Turn Time");
        System.out.println("-----------------------------------------------------------------------");
        for (int i = 0; i < prs; i++) {
           tt = tt + list.get(i);
           sum3 = sum3 + tt;
           System.out.println(
                 "Process no." + sjf_map.get(list.get(i)) + "\t " + list.get(i) + "\t\t" + wt + "\t\t" + tt);
           sum2 = sum2 + wt;
           wt = wt + list.get(i);
           // array[i] = it.nextInt();
        }
        System.out.println("-----------------------------------------------------------------------");

        avg1 = sum / prs;
        avg2 = sum2 / prs;
        avg3 = sum3 / prs;
        System.out.println("Average Burst Time: " + avg1);
        System.out.println("Average Wait Time: " + avg2);
        System.out.println("Average Turn Around Time: " + avg3);

    }
}
```