```
import java.util.*;

public class SJF {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Number of processes: ");
        int n = sc.nextInt();

        int[] bt = new int[n], wt = new int[n], tat = new int[n], p = new int[n];
        for (int i = 0; i < n; i++) {
            p[i] = i + 1;
            System.out.print("Burst time P" + p[i] + ": ");
            bt[i] = sc.nextInt();
        }

        // Sort by burst time (SJF)
        for (int i = 0; i < n - 1; i++)
            for (int j = 0; j < n - i - 1; j++)
                if (bt[j] > bt[j + 1]) {
                    int temp = bt[j]; bt[j] = bt[j + 1]; bt[j + 1] = temp;
                    temp = p[j]; p[j] = p[j + 1]; p[j + 1] = temp;
                }

        wt[0] = 0;
        for (int i = 1; i < n; i++) wt[i] = wt[i - 1] + bt[i - 1];
        float sumWT = 0, sumTAT = 0;
        System.out.println("\nP\tBT\tWT\tTAT");
        for (int i = 0; i < n; i++) {
            tat[i] = bt[i] + wt[i];
            sumWT += wt[i];
            sumTAT += tat[i];
```

```
            System.out.printf("P%d\t%d\t%d\t%d%n", p[i], bt[i], wt[i], tat[i]);
        }

        System.out.printf("\nAverage WT = %.2f, Average TAT = %.2f%n",
                sumWT / n, sumTAT / n);
        sc.close();
    }
}
```