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import java.util.Scanner;

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

        System.out.print("Enter number of processes: ");
        int n = sc.nextInt();

        int[] process = new int[n];
        int[] burstTime = new int[n];
        int[] waitingTime = new int[n];
        int[] turnaroundTime = new int[n];

        // Input burst times
        for (int i = 0; i < n; i++) {
            process[i] = i + 1;
            System.out.print("Enter Burst Time for Process " + process[i] + ": ");
            burstTime[i] = sc.nextInt();
        }
        // Calculate waiting time
        waitingTime[0] = 0;
        for (int i = 1; i < n; i++) {
            waitingTime[i] = waitingTime[i - 1] + burstTime[i - 1];
        }

        // Calculate turnaround time
        float totalWT = 0, totalTAT = 0;
        for (int i = 0; i < n; i++) {
            turnaroundTime[i] = burstTime[i] + waitingTime[i];
            totalWT += waitingTime[i];
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            totalTAT += turnaroundTime[i];
        }

        // Calculate averages
        float avgWT = totalWT / n;
        float avgTAT = totalTAT / n;

        // Display results
        System.out.println("\nProcess\tBurst Time\tWaiting Time\tTurnaround Time");
        for (int i = 0; i < n; i++) {
            System.out.println("P" + process[i] + "\t\t" + burstTime[i] + "\t\t" +
                               waitingTime[i] + "\t\t" + turnaroundTime[i]);
        }

        System.out.printf("\nAverage Waiting Time: %.2f", avgWT);
        System.out.printf("\nAverage Turnaround Time: %.2f\n", avgTAT);

        sc.close();
    }
}
```