```
package CPUScheduling;
import java.util.Scanner;
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public class SJF_Preemptive {
     public static void main(String[] args) {
           Scanner sn = new Scanner (System.in);
           System.out.println("SORTEST JOB FIRST Scheduling(SJF)");
           System.out.print("Enter number of process: ");
           int n = sn.nextInt();
           int [] burstTime = new int [n+1];
           int [] turnAroundTime = new int [n+1];
           int [] waitingTime = new int [n+1];
           System.out.println("Enter Burst time for each process");
           for (int i=0;i<n;i++){
                 System.out.print("P"+(i+1)+": ");
                 burstTime [i] = sn.nextInt();
           }
           for (int i=0;i<n;i++){</pre>
                 waitingTime[i] = 0;
                 turnAroundTime[i] = 0;
           }
           int temp;
           for (int i=0; i< n; i++){
                 for (int j=0; j< n-1; j++){
                      if (burstTime[j]>burstTime[j+1]){
                            temp = burstTime[j];
                            burstTime[j] = burstTime[j+1];
                            burstTime[j+1] = temp;
                            temp = waitingTime[j];
                            waitingTime[j] = waitingTime[j+1];
                            waitingTime[j+1] = temp;
                      }
                 }
           }
           for (int i=0; i< n; i++){
                 turnAroundTime[i] = burstTime[i] + waitingTime[i];
                 waitingTime[i+1] = turnAroundTime[i];
           turnAroundTime[n] = waitingTime[n] + burstTime[n];
           System.out.println("Process\tBT\tTAT\tWT");
           for (int i=0; i< n; i++){
```