import java.util.\*;

public class SJF {

public static void main(String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println ("enter no of process:");

int n = sc.nextInt();

int pid[] = new int[n];

int at[] = new int[n]; // at means arrival time

int bt[] = new int[n]; // bt means burst time

int ct[] = new int[n]; // ct means complete time

int ta[] = new int[n]; // ta means turn around time

int wt[] = new int[n]; //wt means waiting time

int f[] = new int[n]; // f means it is flag it checks process is completed or not

int st=0, tot=0;

float avgwt=0, avgta=0;

for(int i=0;i<n;i++)

{

System.out.println ("enter process " + (i+1) + " arrival time:");

at[i] = sc.nextInt();

System.out.println ("enter process " + (i+1) + " brust time:");

bt[i] = sc.nextInt();

pid[i] = i+1;

f[i] = 0;

}

boolean a = true;

while(true)

{

int c=n, min=999;

if (tot == n) // total no of process = completed process loop will be terminated

import java.util.\*;

public class FCFS {

public static void main(String args[])

{

Scanner sc = new Scanner(System.in);

System.out.println("enter no of process: ");

int n = sc.nextInt();

int pid[] = new int[n]; // process ids

int ar[] = new int[n]; // arrival times

int bt[] = new int[n]; // burst or execution times

int ct[] = new int[n]; // completion times

int ta[] = new int[n]; // turn around times

int wt[] = new int[n]; // waiting times

int temp;

float avgwt=0,avgta=0;

for(int i = 0; i < n; i++)

{

System.out.println("enter process " + (i+1) + " arrival time: ");

ar[i] = sc.nextInt();

System.out.println("enter process " + (i+1) + " brust time: ");

bt[i] = sc.nextInt();

pid[i] = i+1;

}

//sorting according to arrival times

for(int i = 0 ; i <n; i++)

{

for(int j=0; j < n-(i+1) ; j++)

{

if( ar[j] > ar[j+1] )

{

temp = ar[j];

ar[j] = ar[j+1];

ar[j+1] = temp;

temp = bt[j];