**FCFS**

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]; int AR[] = new int[n]; int BT[] = new int[n]; int CT[] = new int[n]; int TAT[] = new int[n]; int WT[] = new int[n];

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;

}

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

{

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

{

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

{ int temp; temp = AR[j]; AR[j] = AR[j+1]; AR[j+1] = temp; temp = BT[j]; BT[j] = BT[j+1]; BT[j+1] = temp; temp = pid[j]; pid[j] = pid[j+1]; pid[j+1] = temp;

}

}

}

CT[0] = AR[0] + BT[0];

for(int i = 1 ; i < n; i++)

{

if( AR[i] > CT[i-1])

{

CT[i] = AR[i] + BT[i];

} else

CT[i] = CT[i-1] + BT[i];

}

int avgWT=0,avgTAT=0;

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

{

TAT[i] = CT[i] - AR[i] ; WT[i] = TAT[i] - BT[i] ; avgWT += WT[i] ; avgTAT += TAT[i] ;

}

System.out.println("\npid\tAT\tBT\tCT\tTAT\tWT"); for(int i = 0 ; i< n; i++)

{

System.out.println(pid[i] + " \t " + AR[i] + "\t" + BT[i] + "\t" + CT[i] + "\t" + TAT[i] + "\t" + WT[i]

) ;

}

sc.close();

System.out.println("\nAverage waiting time: "+ (avgWT/n));

System.out.println("\nAverage turnaround time:"+(avgTAT/n));

}

}**Output:**

