**CODE:-**

import java.util.\*;

public class FCFS {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

int n;

float avgtat=0,avgwt=0;

System.out.println("\*\*\* First Come First Serve Scheduling \*\*\*");

System.out.print("Enter Number of Process: ");

n=sc.nextInt();

String process[]=new String[n];

int arrivaltime[]=new int[n];

int burstTime[]=new int[n];

int TAT[]=new int[n];

int waitingTime[]=new int[n];

int completionTime[]=new int[n];

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

process[i]="P"+(i+1);

System.out.print("Enter Arrival Time for processor " + (i+1) + ":");

arrivaltime[i] = sc.nextInt();

System.out.print("Enter Burst Time for processor " + (i+1) + ": ");

burstTime[i] = sc.nextInt();

}

completionTime[0]=burstTime[0];

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

completionTime[i+1]=completionTime[i]+burstTime[i+1];

}

System.out.println("\*\*\* First Come First Serve Scheduling \*\*\*");

System.out.println("Processor\tArrival time\tBrust time\tCompletion Time\t\tTurn around time\tWaiting time");

System.out.println("----------------------------------------------------------------------------------------------------------");

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

TAT[i]=completionTime[i]-arrivaltime[i];

waitingTime[i]=TAT[i]-burstTime[i];

avgtat+=TAT[i];

avgwt+=waitingTime[i];

System.out.println(process[i]+"\t\t"+arrivaltime[i]+"ms\t\t"+burstTime[i]+"ms\t\t"+completionTime[i]+"ms\t\t\t"+TAT[i]+"ms\t\t\t"+waitingTime[i]+"ms");

}

System.out.println("Average turn around time of processor: "+(avgtat/n)+"ms\nAverage waiting time of processor: "+(avgwt/n)+"ms");

}

}

**OUTPUT: -**

\*\*\* First Come First Serve Scheduling \*\*\*

Enter Number of Process: 3

Enter Arrival Time for processor 1:0

Enter Burst Time for processor 1: 24

Enter Arrival Time for processor 2:0

Enter Burst Time for processor 2: 3

Enter Arrival Time for processor 3:0

Enter Burst Time for processor 3: 4

\*\*\* First Come First Serve Scheduling \*\*\*

Processor Arrival time Brust time Completion Time Turn around time Waiting time

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P1 0ms 24ms 24ms 24ms 0ms

P2 0ms 3ms 27ms 27ms 24ms

P3 0ms 4ms 31ms 31ms 27ms

Average turn around time of processor: 27.333334ms

Average waiting time of processor: 17.0ms