

File Edit Selection View Go Run ...

ASS1

EXPLORER

- ~\$print.docx
- Document1.docx
- J FCFS\_d.class
- J FCFS\_d.java
- J FCFS.class
- J FCFS.java
- print.docx
- J RR\_d.class
- J RR\_d.java
- J RR.class
- J RR.java
- J SJF\_d.class
- J SJF\_d.java
- J SJF.class
- J SJF.java

OUTLINE

TIMELINE

JAVA PROJECTS

J FCFS\_d.java

```

1 import java.util.Scanner;
2
3 public class FCFS_d {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6         System.out.print("Enter the number of processes: ");
7         int n = sc.nextInt();

```

PROBLEMS OUTPUT DEBUG CONSOLE PORTS TERMINAL

PS D:\Labs\21052410\CC\ASS1> javac FCFS\_d.java

PS D:\Labs\21052410\CC\ASS1> java FCFS\_d

Enter the number of processes: 4

Enter the Burst Time for each process.

For Process 1:2

For Process 2:2

For Process 3:3

For Process 4:4

Enter the arrival time for each process.

For Process 1:0

For Process 2:1

For Process 3:5

For Process 4:5

| Processes | Burst Time | Arrival Time | Completion Time | Turn-Around Time | Waiting Time |
|-----------|------------|--------------|-----------------|------------------|--------------|
| 1         | 2          | 0            | 2               | 2                | 0            |
| 2         | 2          | 1            | 4               | 3                | 1            |
| 3         | 3          | 5            | 8               | 3                | 0            |
| 4         | 4          | 5            | 12              | 7                | 3            |

Average waiting time = 1.0

Average turn around time = 3.75

PS D:\Labs\21052410\CC\ASS1>

Ln 3, Col 20 Spaces: 4 UTF-8 CRLF Java Go Live

12:49 PM 13-01-2024

File Edit Selection View Go Run ...

ASS1

EXPLORER

- ~\$print.docx
- Document1.docx
- J FCFS\_d.class
- J FCFS\_d.java
- J FCFS.class
- J FCFS.java
- print.docx
- J RR\_d.class
- J RR\_d.java
- J RR.class
- J RR.java
- J SJF\_d.class
- J SJF\_d.java
- J SJF.class
- J SJF.java

OUTLINE

TIMELINE

JAVA PROJECTS

J SJF\_d.java

```

81 int ct[] = new int[n+1];
82
83 // calculation of tat ct and wt ; ct[i+1]--> ct of i (exception)
84 int id=0; // id-> idle time

```

PROBLEMS OUTPUT DEBUG CONSOLE PORTS TERMINAL

PS D:\Labs\21052410\CC\ASS1> javac SJF\_d.java

PS D:\Labs\21052410\CC\ASS1> java SJF\_d

Enter the number of processes: 5

Enter the Burst Time for each process.

For Process 1:7

For Process 2:3

For Process 3:2

For Process 4:10

For Process 5:8

Enter the arrival time for each process.

For Process 1:1

For Process 2:3

For Process 3:6

For Process 4:7

For Process 5:9

| Processes | Burst Time | Arrival Time | Completion Time | Turn-Around Time | Waiting Time |
|-----------|------------|--------------|-----------------|------------------|--------------|
| 1         | 7          | 1            | 8               | 7                | 0            |
| 3         | 2          | 6            | 10              | 4                | 2            |
| 2         | 3          | 3            | 13              | 10               | 7            |
| 5         | 8          | 9            | 21              | 12               | 4            |
| 4         | 10         | 7            | 31              | 24               | 14           |

Average waiting time = 5.4

Average turn around time = 11.4

PS D:\Labs\21052410\CC\ASS1>

Ln 84, Col 17 Spaces: 4 UTF-8 CRLF Java Go Live

01:15 PM 13-01-2024

FileEditSelectionViewGoRun

ASS1

EXPLORERFCS\_d.javaFCFS\_d.classFCFS\_d.javaFCFS.classFCFS.javaprint.docxRR\_d.classRR\_d.javaRR.classRR.javaSJF\_d.classSJF\_d.javaSJF.classSJF.java

ASS1Document1.docxFCFS\_d.classFCFS\_d.javaFCFS.classFCFS.javaprint.docxRR\_d.classRR\_d.javaRR.classRR.javaSJF\_d.classSJF\_d.javaSJF.classSJF.java

OUTLINETIMELINEJAVA PROJECTS

RR\_d.java

```
1 import java.util.*;
2
3 public class RR_d{
4     private static Scanner inp = new Scanner(System.in);
5     //Driver Code
6     public static void main(String[] args){
7         int n,tq, timer = 0, maxProcessIndex = 0;
8         float avgWait = 0, avgTT = 0;
```

TERMINAL

PS D:\Labs\21052410\CC\ASS1> java RR\_d
Enter the time quanta : 2
Enter the number of processes : 4
Enter the arrival time of the processes : 0 1 2 3
Enter the burst time of the processes : 5 4 2 1

Program No. Arrival Time Burst Time Wait Time TurnAround Time
1 0 5 7 12
2 1 4 6 10
3 2 2 2 4
4 3 1 5 6

Average wait time : 5.0
Average Turn Around Time : 8.0
PS D:\Labs\21052410\CC\ASS1>

Ln 1, Col 1Tab Size: 4UTF-8CRLFJavaGo Live

01:39 PM13-01-2024