

eclipse-workspace - CPUSchedulingProject/src/cpuscheduling/CPUScheduler.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- CPUSchedulingProject
 - JRE System Library [JavaSE-22]
 - src
 - cpuscheduling
 - CPUScheduler.java

CPUScheduler.java

```
1 package cpuscheduling;
2
3 import java.util.*;
4
5 class Process {
6     String pid;
7     int arrivalTime;
8     int burstTime;
9     int priority;
10    int waitingTime;
11    int turnaroundTime;
12
13    Process(String pid, int at, int bt, int pr) {
14        this.pid = pid;
15        this.arrivalTime = at;
16        this.burstTime = bt;
17        this.priority = pr;
18    }
19 }
```

Outline

- cpuscheduling
 - Process
 - CPUScheduler
 - main(String[]) : void

Problems Javadoc Declaration Console

<terminated> CPUScheduler [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (8 Jan 2026, 6:54:08 am - 6:55:27 am) [pid: 1984]

Enter number of processes: 2

Enter details of Process 1

Process ID: P1
Arrival Time: 0
Burst Time: 5
Priority: 2

Enter details of Process 2

Process ID: P2
Arrival Time: 1
Burst Time: 3
Priority: 4

PID	AT	BT	PR	WT	TAT
P1	0	5	2	0	5
P2	1	3	4	4	7

Average Waiting Time = 2.0
Average Turnaround Time = 6.0

Completed Processes (Stack - LIFO):
P2
P1

Activate Windows
Go to Settings to activate Windows.

Enter number of processes: 2

Enter details of Process 1

Process ID: P1

Arrival Time: 0

Burst Time: 5

Priority: 2

Enter details of Process 2

Process ID: P2

Arrival Time: 1

Burst Time: 3

Priority: 4

PID	AT	BT	PR	WT	TAT
P1	0	5	2	0	5
P2	1	3	4	4	7

Average Waiting Time = 2.0

Average Turnaround Time = 6.0

Completed Processes (Stack - LIFO):

P2

P1