Operating system I

Assignment # 2

**CPU Schedulers Simulator**

Write a java program to simulate the following schedulers:

1. First in First Served
2. Non preemptive Shortest- Job First (SJF) Scheduling
3. Round Robin (RR)

**Program Input**

* Number of processes
* Round robin Time Quantum

For Each Process you need to receive the following parameters from the user:

* Process Name
* Process Arrival Time
* Process Burst Time

**Program Output**

For each scheduler output the following:

* + Processes execution order
  + Response Time for each process
  + Average Response Time
* Submission Date: starts at 16 November week, each in his/her lab time
* The assignment is submitted in group of maximum 3 students.
* Late submission is not allowed

**Assignment #2**

**CPU Schedulers Simulator**

**Students IDs and Names:**

|  |  |
| --- | --- |
| **ID** | **Name** |
|  |  |
|  |  |

**Features:**

|  |  |  |
| --- | --- | --- |
| **Feature** | **Grade** | **Team Grade** |
| FIFO Processes Execution Order | 1.5 |  |
| FIFO Processes Response Time | 1 |  |
| FIFO Average Response Time | 0.5 |  |
| SJF Processes Execution Order | 2 |  |
| SJF Processes Response Time | 1 |  |
| SJF Average Response Time | 0.5 |  |
| RR Processes Execution Order | 2 |  |
| RR Processes Response Time | 1 |  |
| RR Average Response Time | 0.5 |  |
| **Total** | **10** |  |