1. **Programming Assessment:**

* Software and hardware used

Software:

The only software used is 'Eclipse IDE' since it is the easiest for us.

Hardware:

**Operating System**: Windows 11

**CPU**: Intel(R) Core(TM) i3-10110U CPU @ 2.10GHz 2.59 GHz.

**RAM**: 8.00 GB.

**System Type**: 64-bit operating system, x64-based processor.

* Subtasks devided:
* Each of us was assigned a class to program (PCB, Threads, and Main).
* We all worked on the scheduler by dividing it into 3 subtasks (FCFS, SJF, RR)

And each algorithm was assigned to a student to program.

* We integrated our works together and added the Gantt chart.
* Strengths and weaknesses:

Strengths:

* A very well display of the whole algorithm simulation procedure in a clear Gantt chart.
* A 'sleep' method for each algorithm that can be modified to the user's choosing.

Weaknesses:

* The jobToReadyQueue thread class fills Ready Queue until it is empty, or until there is not enough main memory (and if there are any remaining PCBs in the Job Queue, they will be ignored).
* The split between process information (Process ID, burst time in ms, memory required) in the text file has to be ", " (a comma followed with a space); else, file can't be read.