**WS6 - Mid term prep/Input output**

This workshops goal is to do 2 things:

1. Provide a prep for midterm
2. Teach about input/output

**Important notes:**

1. This workshop is the last before the midterm
2. There will be pressure to focus only on midterm prep however, next week WS is Recursion.. And there is no other time to talk about input/output
3. There is time at the end of WS for their Questions, to focus on their needs.
4. Review Homeworks general mistakes (to make all improve a bit before the tests) - **10 minutes**
   1. After grading 3 assignments, I am sure you have seen some patterns of behaviours in your workshop students. Try to dedicate time to address these patterns, to make everyone a bit better.

Part 2 and part 3 are interchangeable (My recommendation is to start with 2)

1. **Input output** - Go over API of In, StdOut. **5 minutes**

For this part you will need the following:

* Songs.txt
* WS6Skeleton.java
* In.java
* StdOut.java
* WS6Solution (For yourself)

Share the first 4 with the students.

**Explanation**:

The file “playlist.txt” contains a list of songs.

The format for each line is the same:

${ArtistName}, ${SongName}, ${duration (mm:ss)}

Example:

“Coldplay, Paradise, 4:38”

The students will have to do manipulation with the file.

Start of slow, printing to screen 10 first songs, to check data on artist song and duration

and “filter” accordingly (filter by print/not print to screen).

They have there 10 questions, do the first and last together.

**8 remaining let them do it alone, 20 minutes. (Pretty straight forward what each**

**Function supposed to do)**

**Go over solutions (10 minutes)**

**Solve together, Last question. (10 minutes)**

1. They are given 6 questions.

For this part you will need the following:

* WS6MidtermPrepSkeleton.java
* WS6MidtermPrepSolution (For yourself)

Share the first 1 with students

Let them practice those. 12 minutes.

Solve together 8 minutes

The rest of the time I am leaving up to Students questions and calming down.

I want them to ask you questions (from past mid terms, finger ex, finished & submitted HWs). Open it for discussion, what they need. Listen to them.