Functions, Conditional Statements and Algorithmic Thinking Week: Todo List

1. Master - Functions, conditional statements and algorithmic thinking

By the end of this week, you should **MASTER** these topics:
- ➔ What is meant by JavaScript functions (methods)
- ➔ Declaring/defining and calling functions
- ➔ What is meant by functions with arguments, functions that return a value
- ➔ Variable scoping in JS
- ➔ Arrow functions
- ➔ Conditional statements in JS (if, else if, else, switch) and why we use them
- ➔ The steps involved in algorithmic thinking

By the end of last week, you should have already watched the class video on "**Functions**" and "**Conditional statements**". You should have also listed out all of your questions.

1.1. Start by working on the practice questions (part I) (3 hrs)
- Instructions on how to complete the questions is found here:
  - ○ Link to your homework
- Try the homework on your own first and discuss it with your groupmates
- List out the parts you do not understand and ask your groupmates when you meet in groups

1.2. Complete the Functions checklist (1 hr)
- Functions and conditional statements checklist
- Mark the ones you understood as complete, and list out the parts you did not understand for further discussion

1.3. Before you meet your instructors in the group discussions
- Meet with your groupmates before the group sessions with Evangadi instructors. (Please take the lead in inviting everyone for discussion)
- Try to discuss the questions you have with your groupmates

1.4. **Attend the 2 group meeting sessions with your instructors (4 hrs)**
- Discuss the remaining questions you have prepared
- Turn your camera on, share your screen and participate

2. Prepare for next week - Decision loops and object oriented programing

2.1. **Watch the "Decision loops" videos (3hrs).**
- DO NOT just watch the video. Make sure you are pausing the video and practicing on your computer
- Read the lecture note side by side
- Prepare your questions for the lecture session

2.2. **Watch the "Introduction to object oriented programing" videos (3hrs).**
- DO NOT just watch the video. Make sure you are pausing the video and practicing on your computer
- Read the lecture note side by side
- Prepare your questions for the lecture session

2.3. **Attend the "Decision loops" and "Introduction to object oriented programing" live lectures (4hrs).**
- Read the lecture note side by side
- Prepare to ask your question