Introduction to Programming Basics Week: Todo List

1. ## Master - Introduction to programming basics

By the end of this week, you should **MASTER** these topics:
- ➔ Meaning of JavaScript (JS) is and purpose of learning JS
- ➔ What is meant by interactive webpages
- ➔ Syntax and semantics
- ➔ Using the console and debugging
- ➔ Variables (declaring, assigning value, changing value, rules of naming variables)
- ➔ Data structures: meaning and types of data structures in JS (number, string, boolean, undefined, null, array)
    - ◆ Operators: use and types (arithmetic, assignment, string and logical operators)
    - ◆ Array (definition, declaration, adding values to an array and accessing array values with index)
- ➔ Weak typing in JS

By the end of last week, you should have already watched the class videos on "**Introduction to programming basics (part I)**" and " **Introduction to programming basics (part II)**". You should have also listed out all of your questions. Please take the next 2 days to update the contents of your portfolio website and deploy it.

1.1. **Start by working on the practice questions (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 don't understand and ask your groupmates when you meet in groups

1.2. **Complete the programming basics checklist (1 hr)**
- ● https://www.evangadi.com/checklist/js-introduction
- ● 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 week 2 - Functions and methods and conditional statements and decision loops

2.1. Watch the "Functions and methods" 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 "Conditional statements and decision loops" videos (4hrs).
- 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 "Functions and methods" and "Conditional statements and decision loops" live lectures (4hrs).
- Read the lecture note side by side
- Prepare to ask your question