

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)

- [Introduction to programming basics \(Part I\) checklist](#)
- [Introduction to programming basics \(part II\) 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 - 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