

🔗 think like a developer #1

# Introduction

**What is this course?**

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Consider it an introductory course to *programming concepts*.

# **What to expect**

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At the end of the course you should:

- be comfortable using a programming language
- be familiar with the command line
- know how to document, test, and debug simple programs
- know some basic data structures and algorithms
- and more!

**What not to expect**

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- You won't be an "expert" programmer (I'm not myself!)

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- We're not going to build an app or website

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- I want you to be confident writing programs and breaking down complex problems.
- It's an opportunity for me and you to relearn the basics together.
- I love to teach 😊.



**We'll use JavaScript**

**Why?**

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- It is, for the 9th year, the most popular language ([Source](#))
- It's an interpreted, dynamic language (for now, this means it's easy to get started with it)
- It's the language I'm most accustomed to 😊

**What we'll cover**

# What we'll cover

- Values and types 
- Making decisions 
- Using functions 
- Testing 
- Developer tools 
- Source control 
- Repetition 
- Files and input/output 
- Modules 
- Data structures 
- Exceptions 
- JavaScript quirks 

(This may change)



**Software we'll use**

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- Node.js v14+

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- A terminal

# Course format

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- Check course website [thinkdev.netlify.app](https://thinkdev.netlify.app) for slides, recordings, exercises, etc.



**Demo: editor tour**

# Exercise

1. Install the necessary software.
2. Customise VS Code (optional).
3. Write a JavaScript program to show your name.
4. Make sure it works and all is clear 😊.

**Questions?**