

💡 thinkdev #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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- 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 😁.

JS

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We'll use JavaScript

JS

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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

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- 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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(This may change; check the website for the up-to-date schedule.)

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 😊.