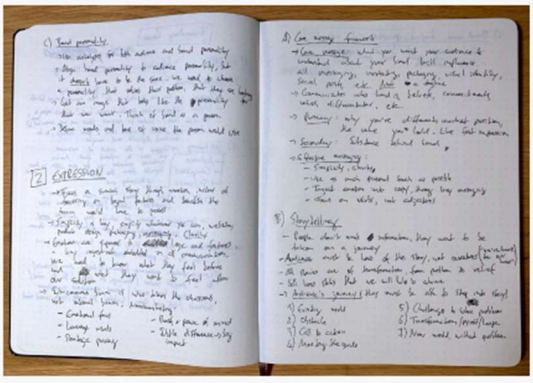
👩‍💻 **You need to code along with me!** You will learn **ZERO** JavaScript skills by just sitting and watching me code. You have to code **YOURSELF**!

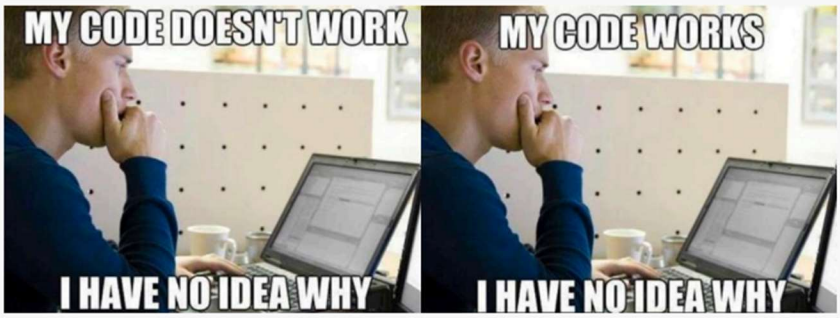
📝 **If you want the course material to stick, take notes.** Notes on code syntax, notes on theory concepts, notes on everything!



Totally non-coding... Try to understand a single word 😂

😱 **If this is your first time ever programming, please don't get overwhelmed.** It's 100% normal that **you will not understand everything** at the beginning. ***Just don't think "I guess coding is not for me"!***

😅 **In the first sections of the course, don't bother understanding WHY things work the way they do in JavaScript. Also, don't stress about efficient code, or fast code, or clean code**. While learning, we just want to make things **WORK**. We will understand the **WHY** later in the course.



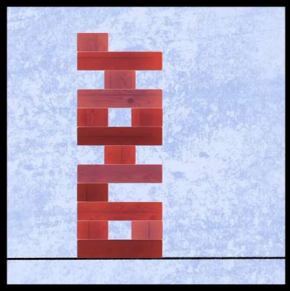
What is programming ?

Let say you have some buidling blocks. You and your friend want to create something cool with them, like a tower or castle.

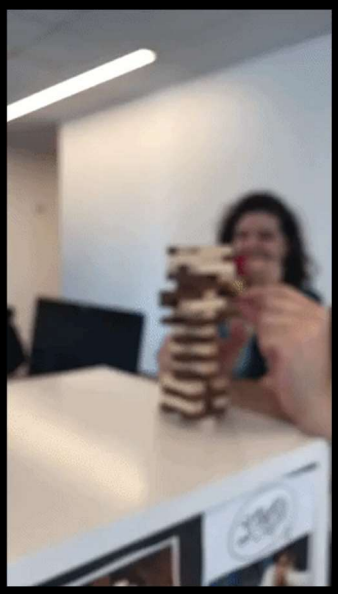
Now You have a plan in your mind, but you need to tell your friend what to do.

Why should your friend listen to you and follow your instructions. Imagine you have a magic wand. You say things like "Put a blue block on top of the red one" or "Stack three green blocks."

Programming is like giving instructions to your friend, who is helping you build. But there's a special language you both need to speak, and that language is called "code."



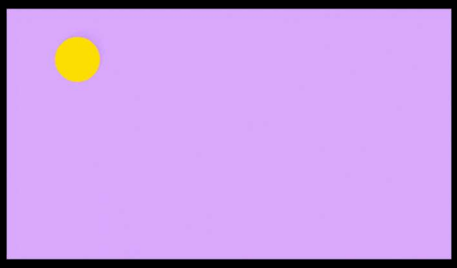
Sometimes, your friend might make a mistake and put a block in the wrong place. No worries! You can use your magic wand again to correct the instructions and help your friend fix it.



Sometimes, your friend might make a mistake and put a block in the wrong place. No worries! You can use your magic wand again to correct the instructions and help your friend fix it.

Once your tower or castle is complete, you both step back and admire your work. You can even add more instructions to make it do special things, like adding a door that opens or making a flag on top that can wave.

That's what programming is like! It's giving clear instructions (using code) to make your ideas come to life using computers. Just like building with colorful blocks, but in a magical language that computers understand.

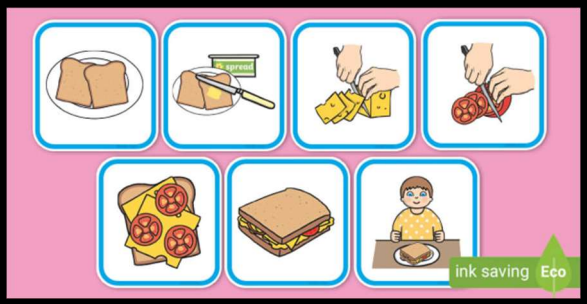


Ingredients: To make the sandwich, you need bread, peanut butter, and jelly. → Input

Steps: The recipe (algorithm) gives you a set of clear steps to follow: } Set of instructions (definite/end)

a. Take two slices of bread.
b. Spread peanut butter on one slice.
c. Spread jelly on the other slice.
d. Put the two slices together with the spreads facing each other.
e. Press gently to make the sandwich.

Result: If you follow these steps correctly, you'll end up with a delicious peanut butter and jelly sandwich. → output



What is an Algorithm ?

Finding the Largest Number in a List

Inputs:
•A list of numbers.

Output:
•The largest number in the list.

Steps:
1. Start with the first number in the list and call it the "current maximum."
2. Compare the "current maximum" with the next number in the list.
    1. If the next number is larger than the "current maximum," update the "current maximum" to be the next number.
    2. If the next number is not larger, keep the "current maximum" as it is.
3. Repeat step 2 for each number in the list until you have compared all the numbers.
4. The "current maximum" after going through the entire list is the largest number.

you'll should think these steps.

Steps:
1. Start with the first number in the list and call it the "current maximum."
2. Compare the "current maximum" with the next number in the list.
    1. If the next number is larger than the "current maximum," update the "current maximum" to be the next number.
    2. If the next number is not larger, keep the "current maximum" as it is.
3. Repeat step 2 for each number in the list until you have compared all the numbers.
4. The "current maximum" after going through the entire list is the largest number.

Input:
[12, 5, 23, 9, 18, 27, 6]

18 > 23 ? NO
9 > 23 ? yes
6 > 23 ? NO

Current maximum = 12 → 23 → 27

5 > 12 ? NO
23 > 12 ? yes
9 > 23 ? NO