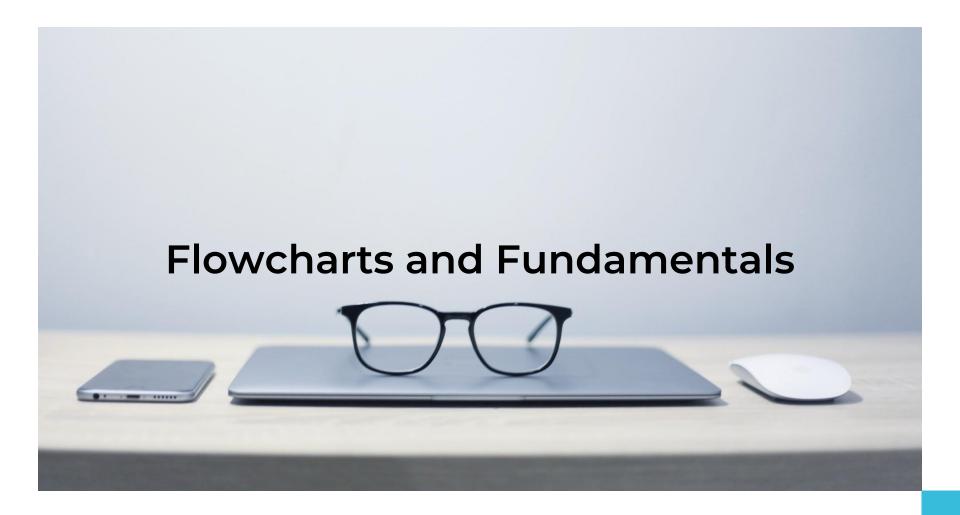
Welcome to JS!

Full-Stack Web Development



- Understand primitive types and arithmetic operators and be able to use flowcharts to design basic programs.
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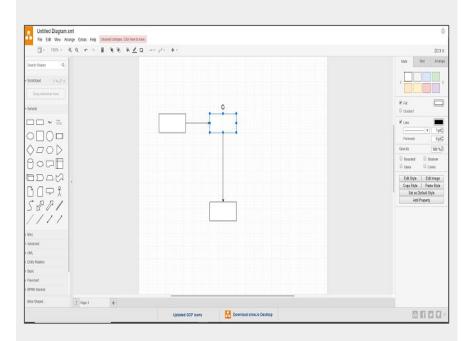


Flowcharting is a way to visually represent the logic of a program.

What is "Flowcharting"?

Why should we Flowchart?

- Helps us to visualize the flow of the program.
- Useful for breaking down a program's logic into smaller, consumable chunks.
- Makes debugging easier!
- Allows for easier team collaboration.



draw.io

number: num1

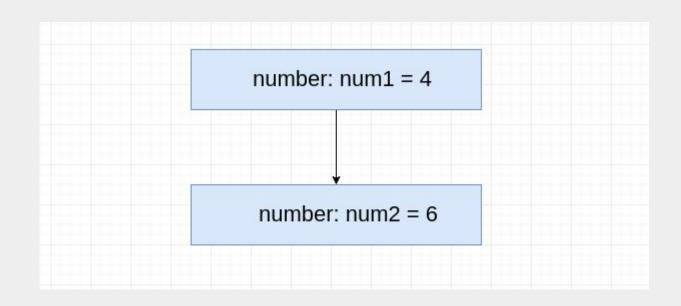
Variable Declaration

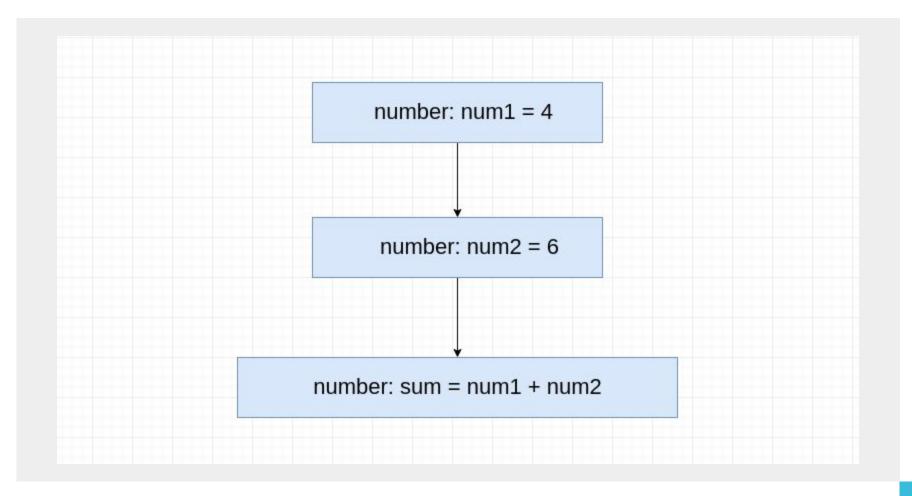
- + Addition
- Subtraction
- * Multiplication
- / Division

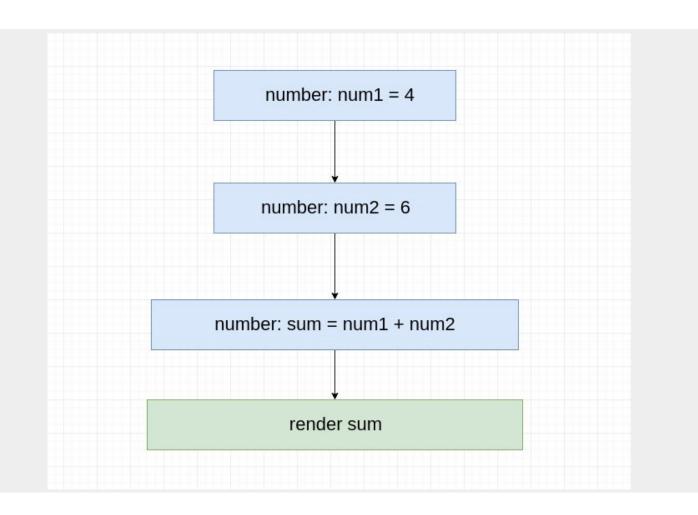
Basic Arithmetic Operators

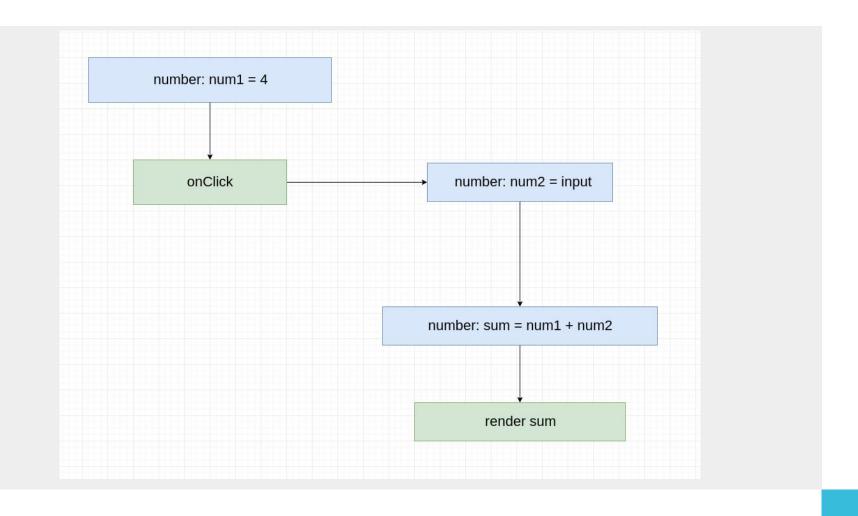
= Assignment

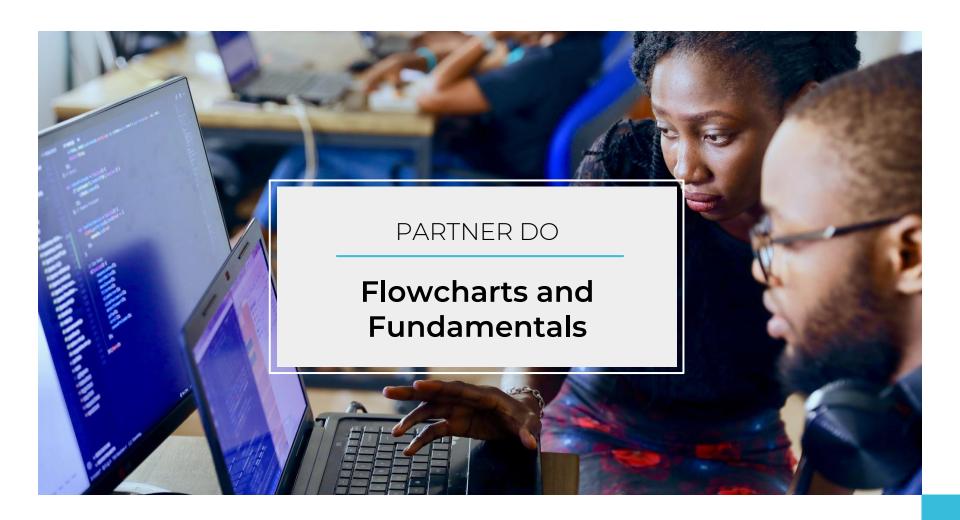
number: num1 = 4

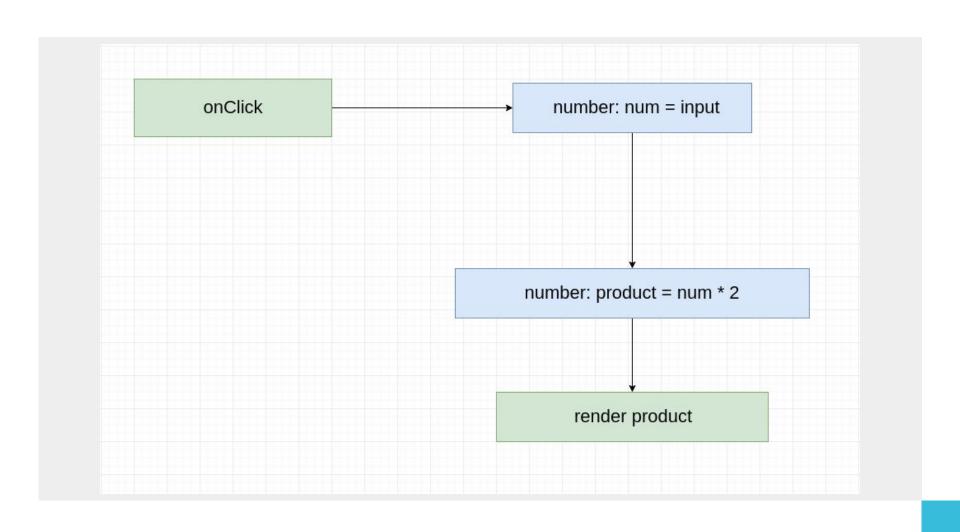


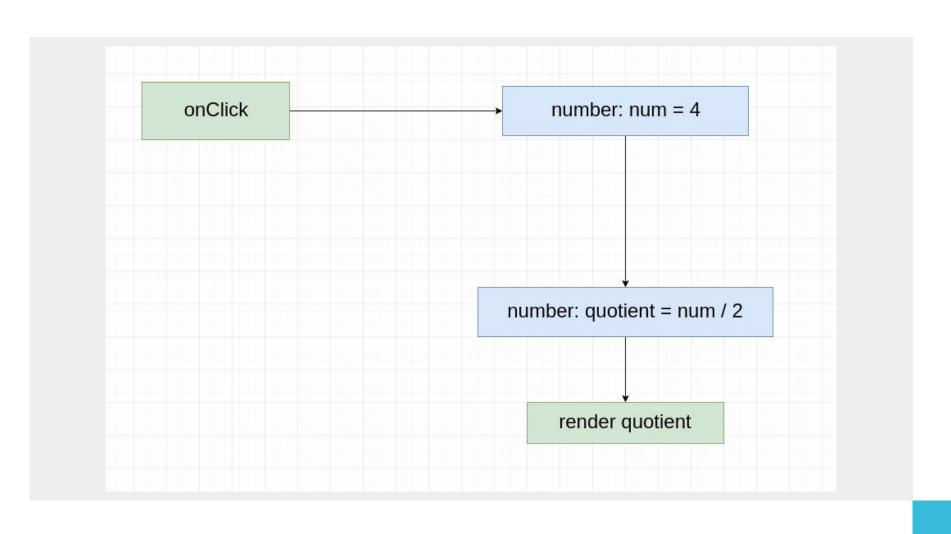


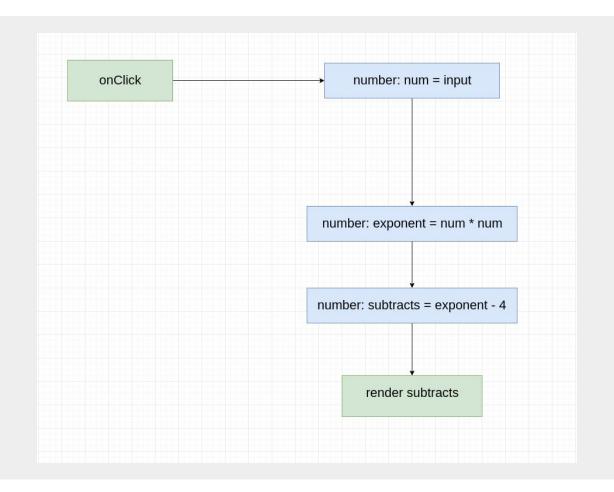




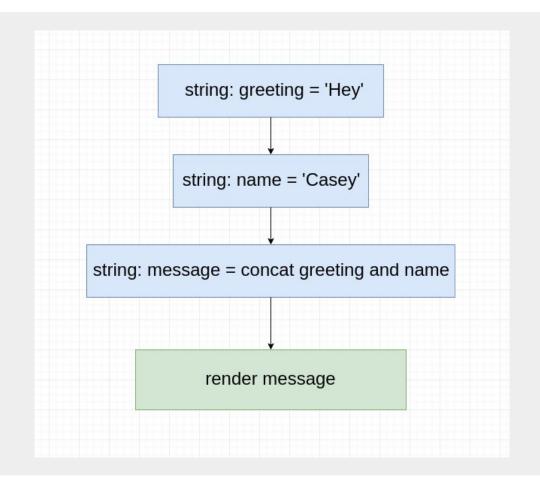


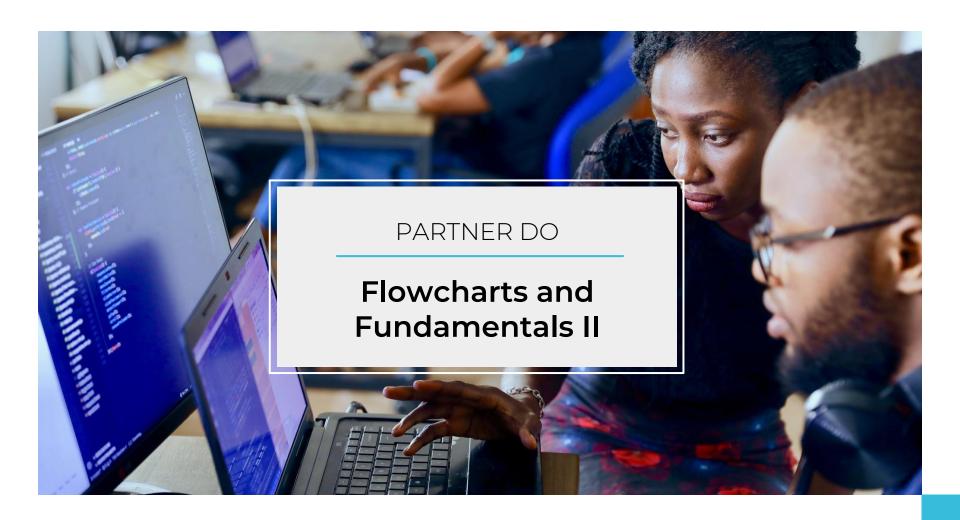


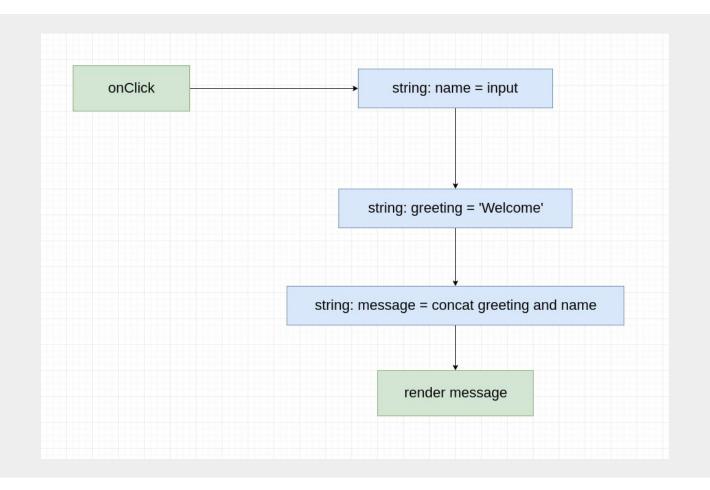


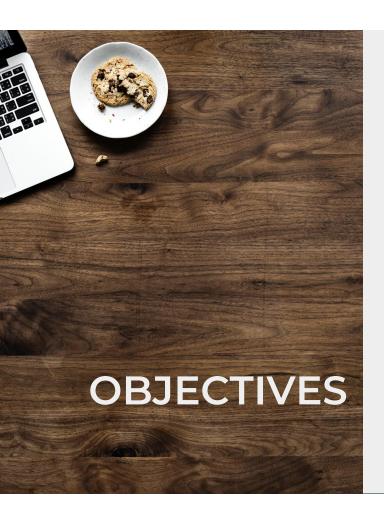












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loops to iterate through them.

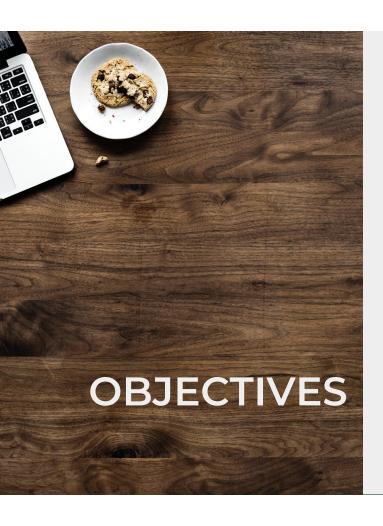
BREAK TIME











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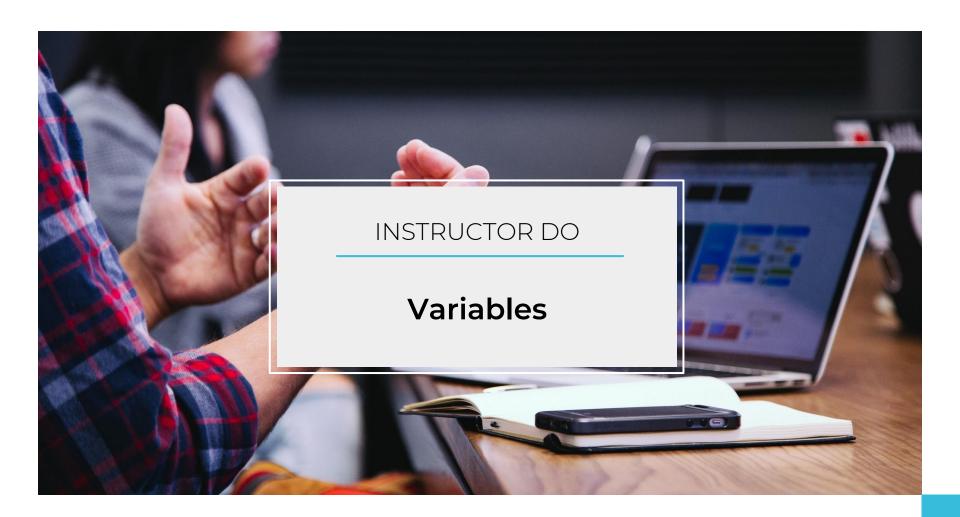
Questions?



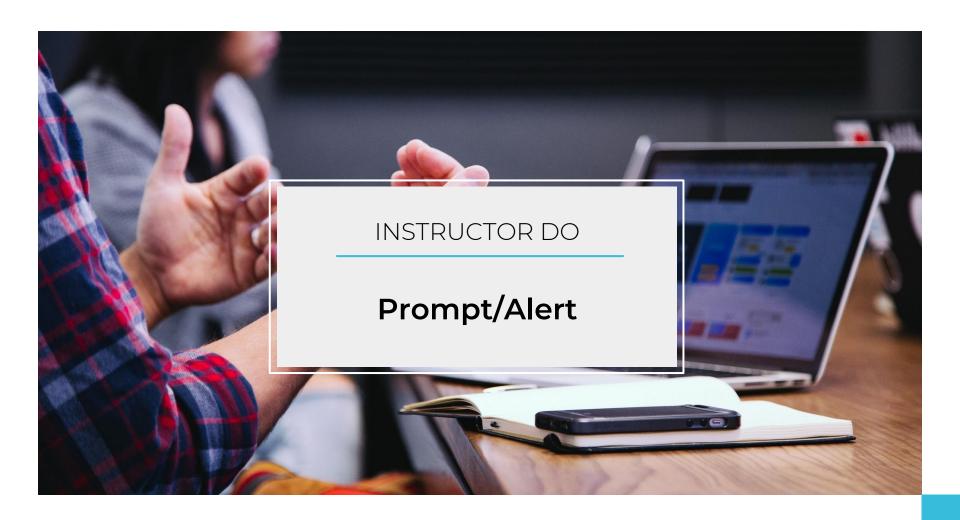
BREAK TIME















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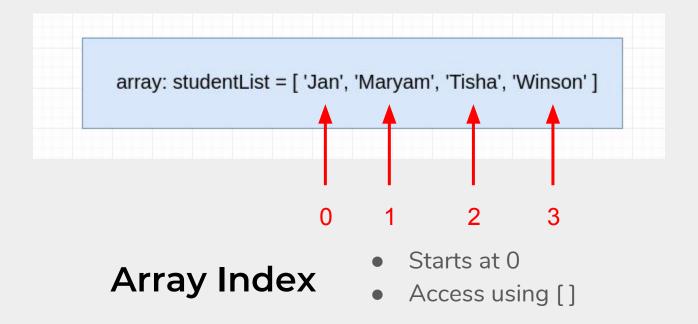


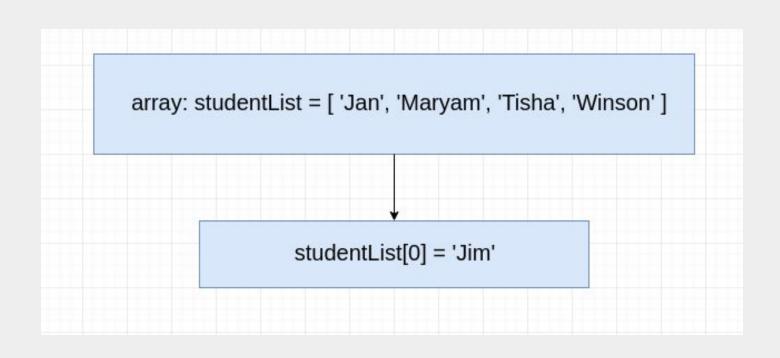


array: studentList = ['Jan', 'Maryam', 'Tisha', 'Winson']

Arrays

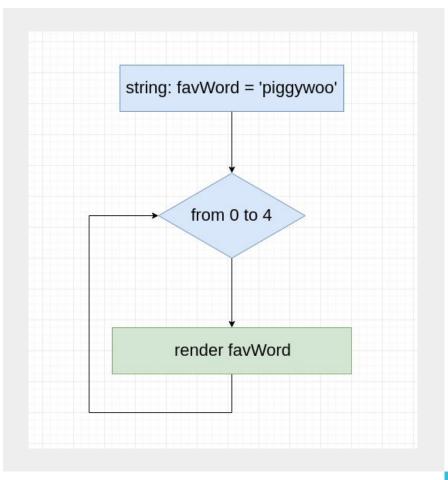
- Complex variable
- Contains a list of items



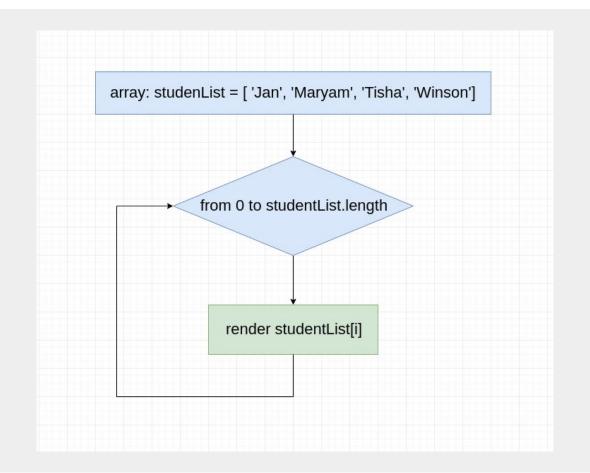


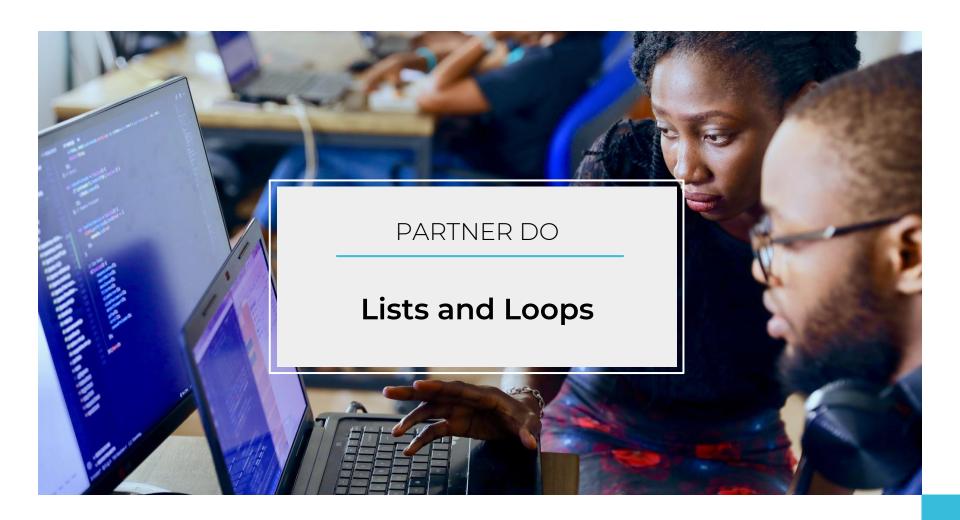
Loops

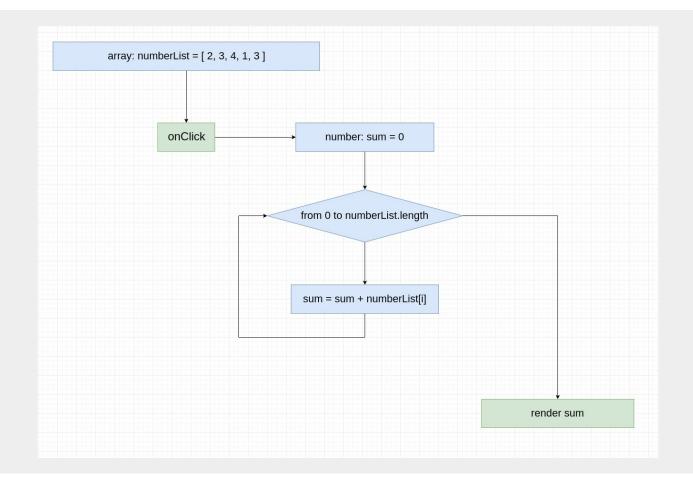
- Performs same action multiple times
- Often used with arrays

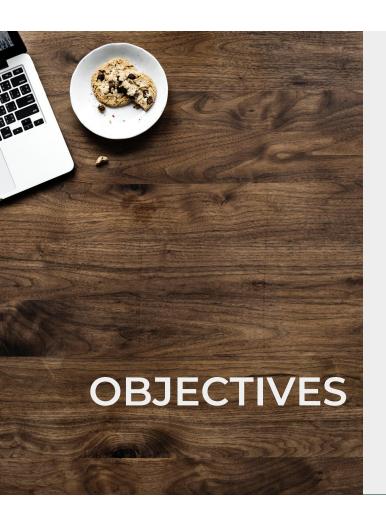












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