

Hello, World!

- Javascript

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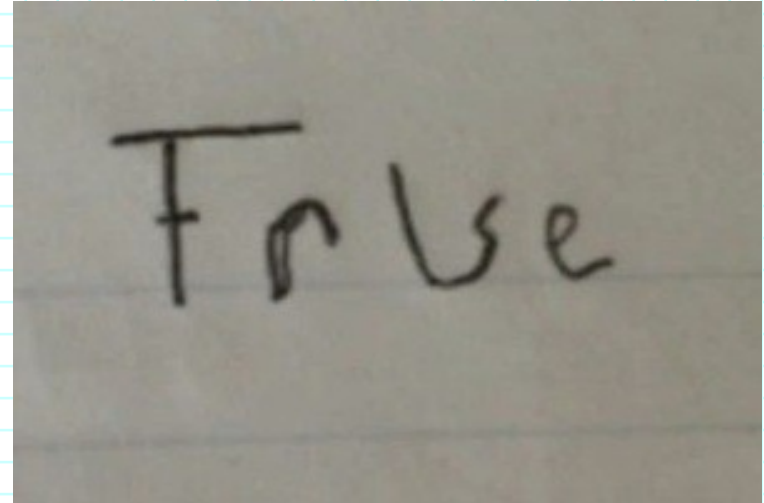
What is Javascript?

The image shows the JavaScript logo, which consists of the letters "JS" in a bold, dark grey, sans-serif font. The letters are centered within a solid yellow square. The background of the slide is a light blue grid pattern.

JS

Variables

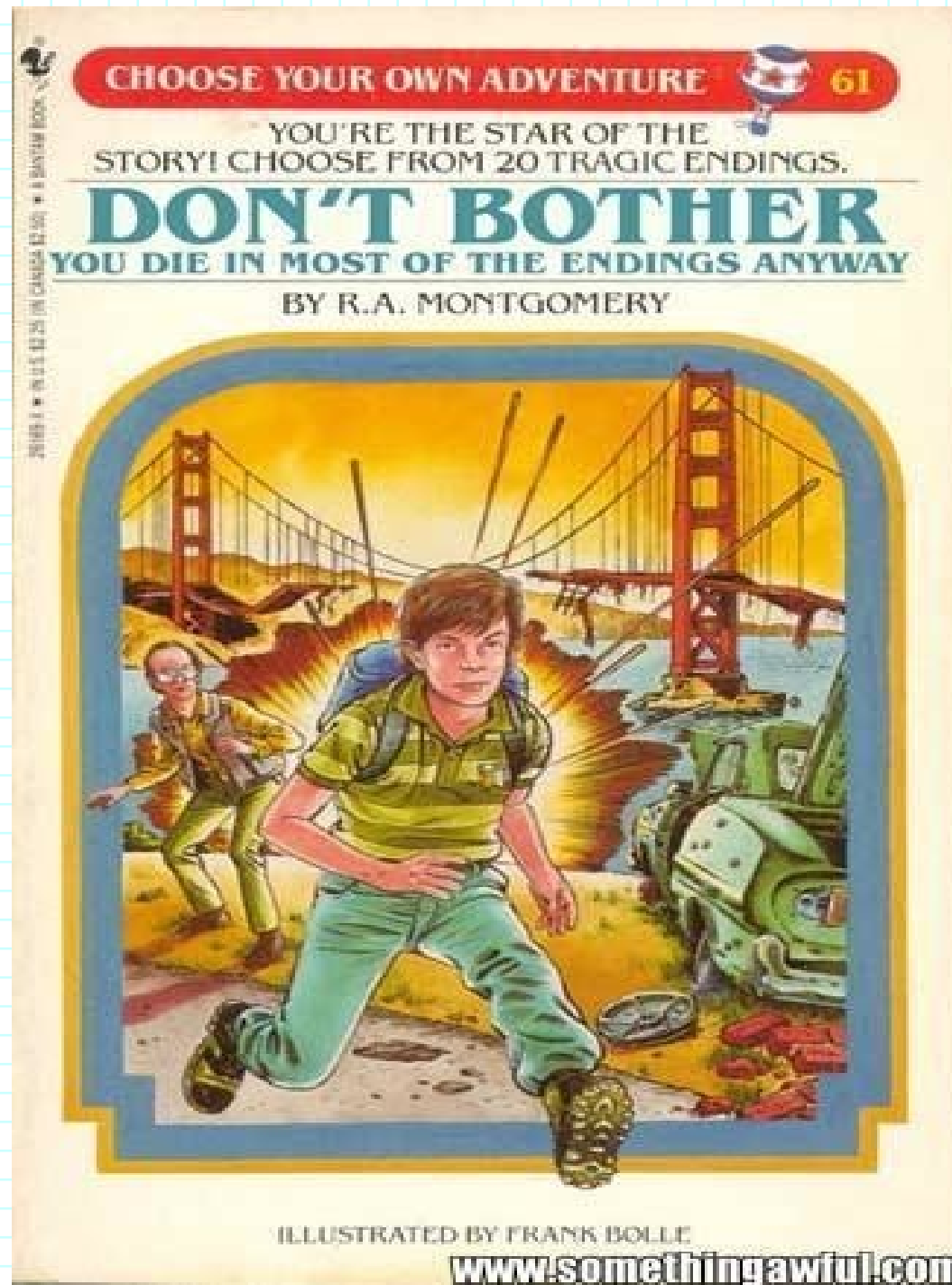
- Pay attention to types:



Exercise

- Tell the following story using variables:
 - Alex has \$100
 - Alex buys a burrito for \$8
 - Joe repays Alex the \$50 he lended him. Joe has \$200 leftover.
 - Alex pays Molly \$20 to babysit his kids
 - Molly sees a movie with Joe for \$10
 - What is the sum of Molly, Alex, and Joe's money?

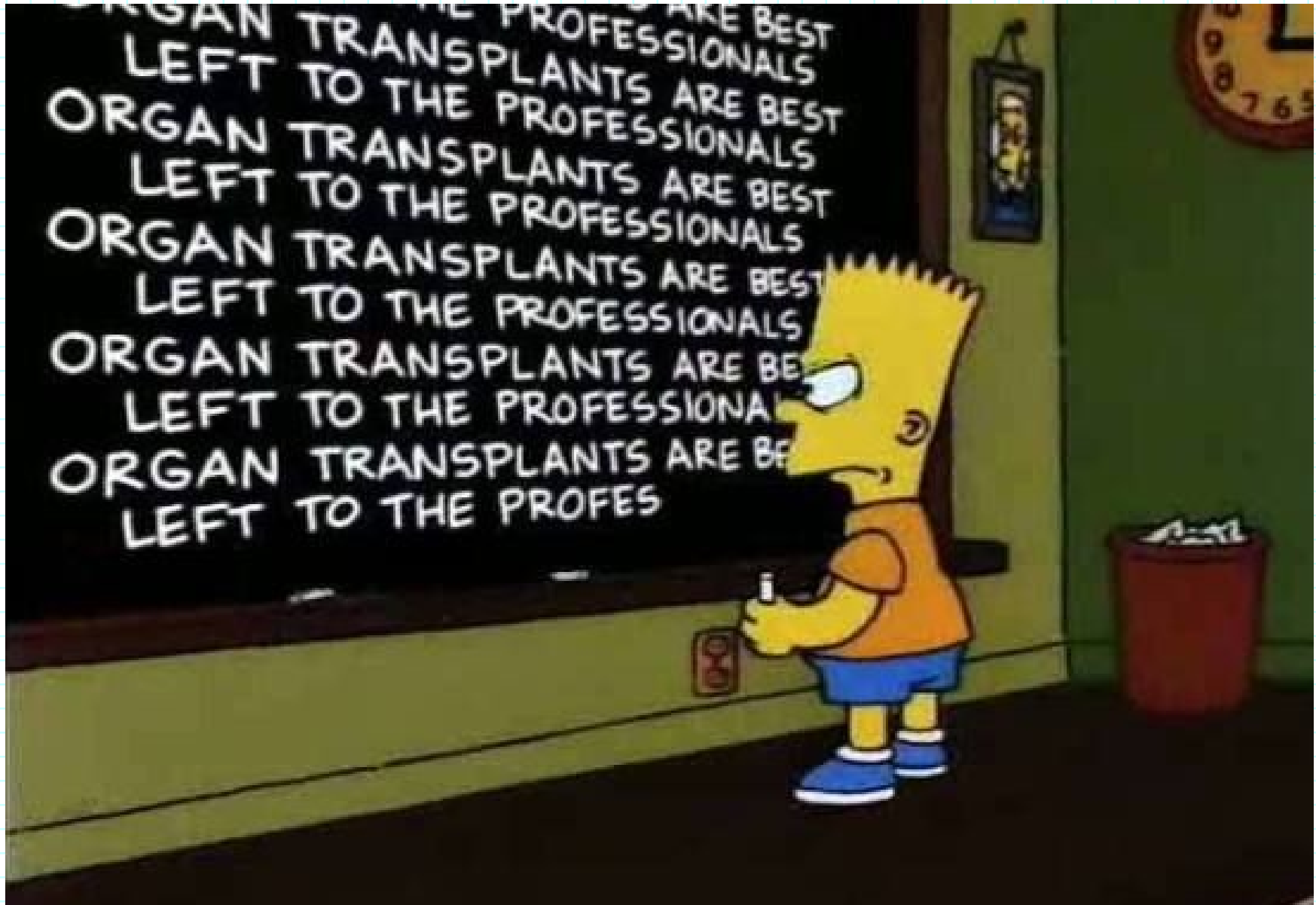
Choice



Exercise

- You are given two variables, x and y
 - Write code that ensures that x will always be larger than y , swapping them if necessary

Iteration



Exercises

- Write code (using loops!) that prints:
 - The values from 0 to 10 (inclusive)
 - The values from 1 to 10 (inclusive)
 - The values from 4 to 19 (inclusive)
 - Even values between 5 and 12 (inclusive)

Exercises

- The fibonacci sequence is given as:

0, 1, 1, 2, 3, 5, 8, 13,

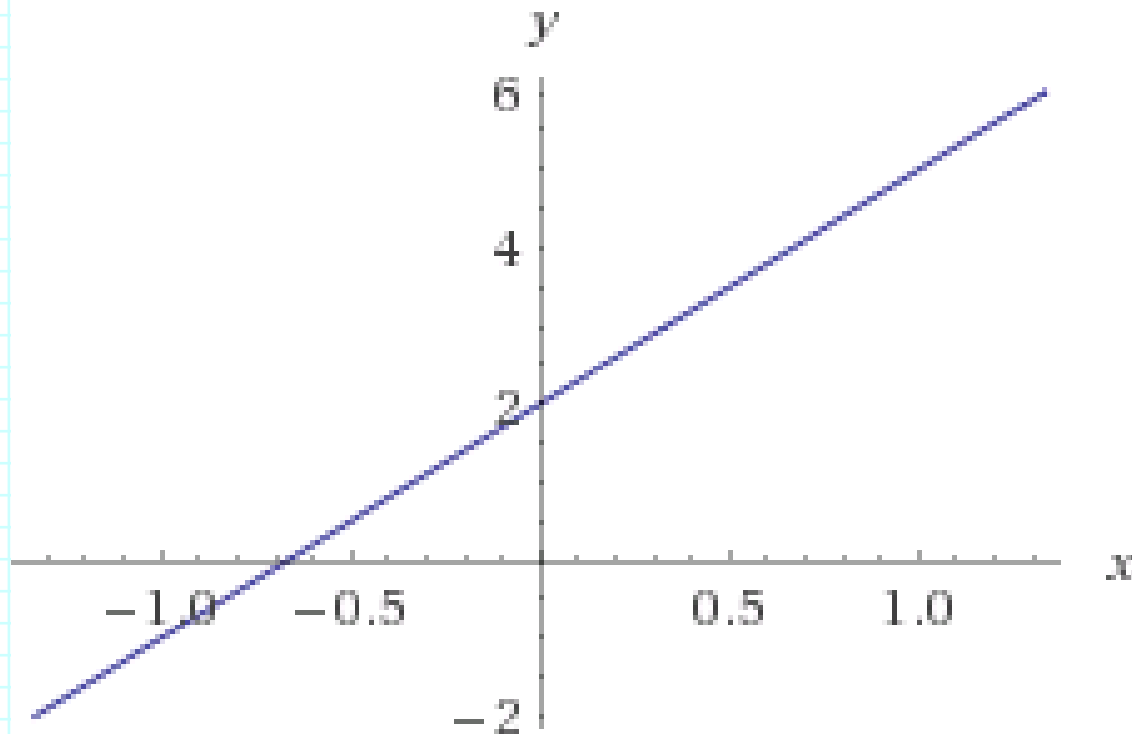
- Write pseudocode to print the first 50 fibonacci numbers

Exercises

- Write code to do the following:
 - Your code should count from 0 to 100
 - If the current number is divisible by 3, print "fizz"
 - If the current number is divisible by 5 print "buzz"
 - If it is divisible by 3 and 5, print "fizzbuzz"
 - Otherwise, print the number

Functions

$$f(x) = 3x + 2$$



(x from -1 to 1)

Exercises

- Change your fibonacci code to be a function. The function should take in a value called N and return the N th fibonacci number. So if $N = 1$ then return 0, if $N = 2$ then return 1, etc.
- Write a function called `mult` that takes in two values, x and y , and returns the product. You may not use `*` to accomplish this.