



# FEWD - INTRO PROGRAMMING

**NICO CASTRO**

Web Developer at Red Badger

# AGENDA

- Introduction To Programming
- What JS Can Do
- Reading JS
- Lab

# INTRODUCTION TO PROGRAMMING

The computer will do what you tell it to do.

# WHAT IS A PROGRAM

A **program** is a set of instructions that you write to tell a computer what to do

# WHAT IS PROGRAMMING

**Programming** is the task of writing those instructions in a language that the computer can understand.

# BECOMING A PROGRAMMER

It isn't about the programming language. It is about changing how you think.

We have to know how the computer thinks to change how we think.

# HOW COMPUTERS "THINK"

The short answer is that they don't think.

The slightly longer answer is that while computers don't think, they act as if they do, by **sequentially executing simple instructions.**

The only things a computer knows are the things we tell it.

# PSEUDO CODE

Pseudocode is the process of writing a program without using the syntax of a programming language.





# THERMOSTAT



# ROCK PAPER SCISSORS

# WHAT IS JAVASCRIPT



# COLOR SWITCHER



# TRAFFIC LIGHT

# **HOMEWORK**

Nothing you need to turn in, but for a nice mid-week challenge try to write the pseudocode for:

**ROCK, PAPER, SCISSORS, LIZARD, SPOCK**

<https://www.youtube.com/watch?v=x5Q6-wMx-K8>