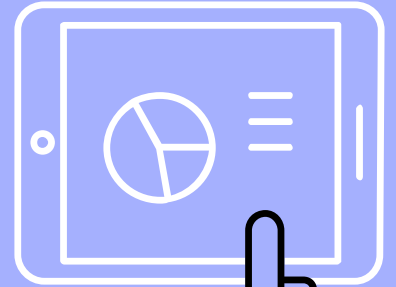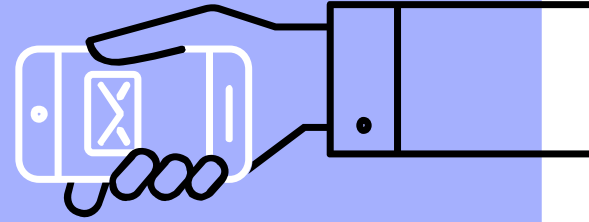# Intro to Javascript

Do Now (10 mins)

Write instructions on how to make a sandwich from beginning to end. Here are your ingredients:
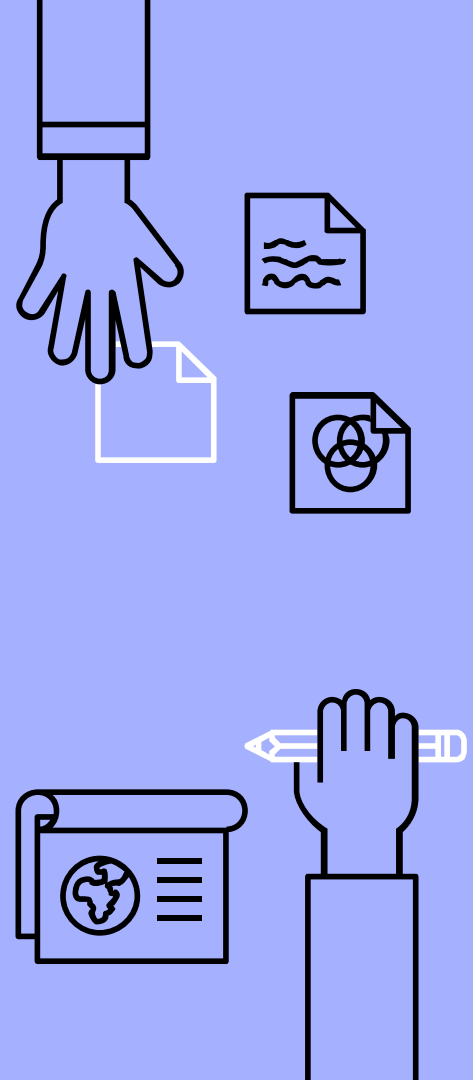
Bread

Ham

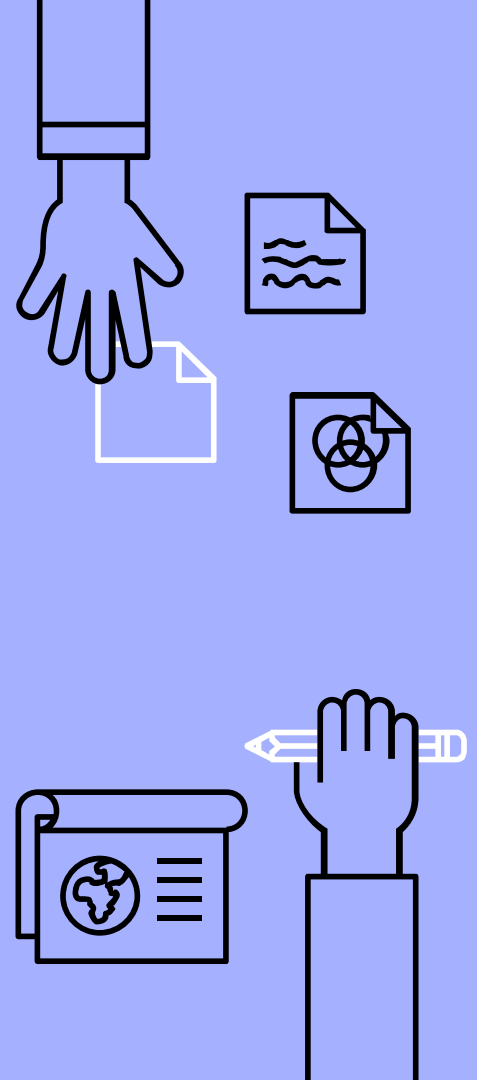Cheese

Mayo

DEMO:
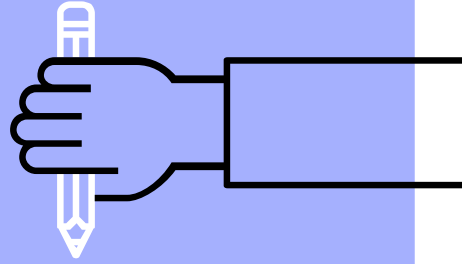# Let's make a sandwich!

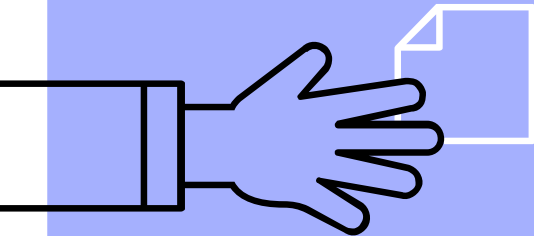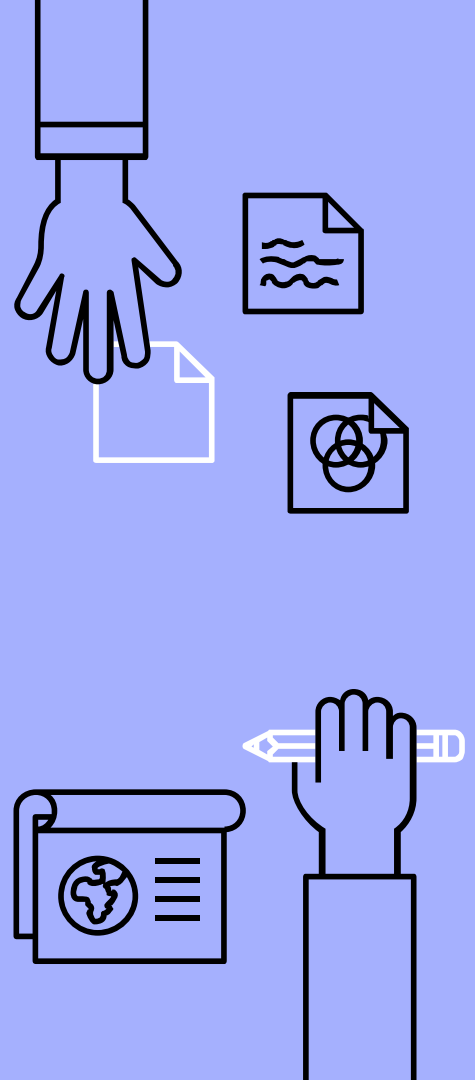Here are your ingredients:

Bread

Ham

Cheese

Mayo

Objectives

- Understand variables and their many uses
- Practice using variables through code and console

Variables

We've used variables before in math, and now we will use them in computer science. They are a useful tool to store data. In JS, there are a bunch of different data types, but we will focus on 3 for now:
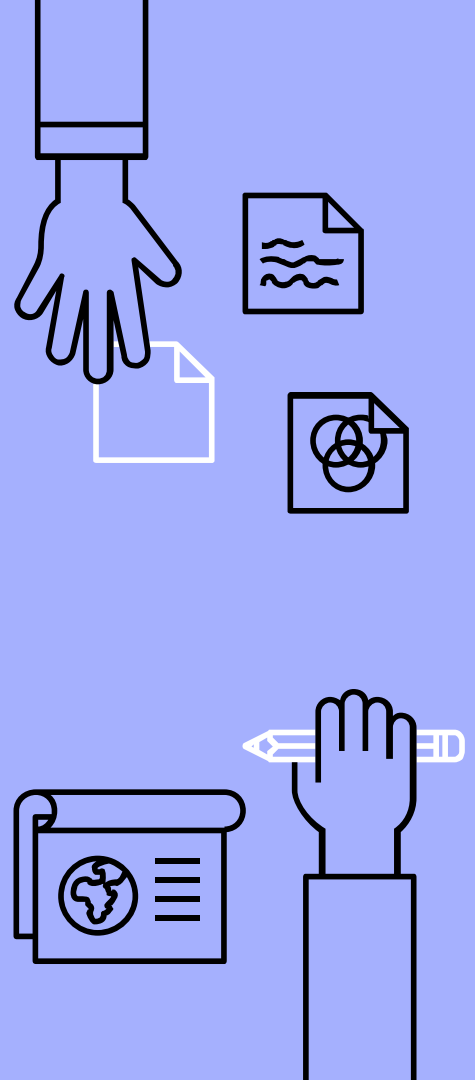
- Numeric- numbers
- Strings- words
- Boolean- true/false statements

How to store a variable

You might know this = as an equal sign, but in coding it is called an **assignment**. You can also call it **storing**. When creating a variable, we assign the name of the variable to a value. We must first assign it using the keyword _var_ (remember code is case sensitive!).

Sample:

var x = 5;

var x;

Storing variables

var a;

var x = 5;

x = 7;

var y = "hello";

var z = true;
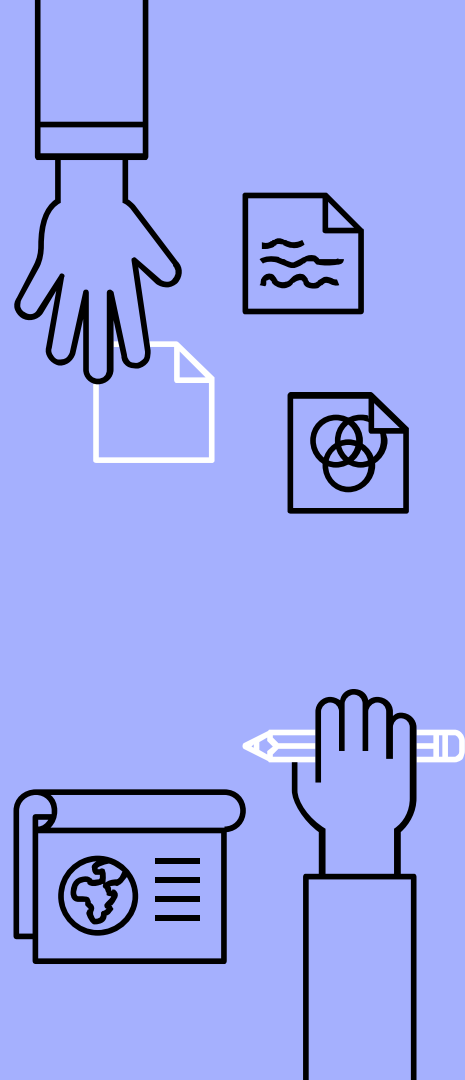
Sample

var g = 2;

var f = g;

var t = x * f;

What does t equal?

Naming variables

Make sure that you don't just name your variables x or a random name! You want to give it a name related to what you are storing. For example, if you are storing how old someone is, you may want to call the variable age:

var age = 15;

Student Activity: Code-along

Let's take a look at today's lab