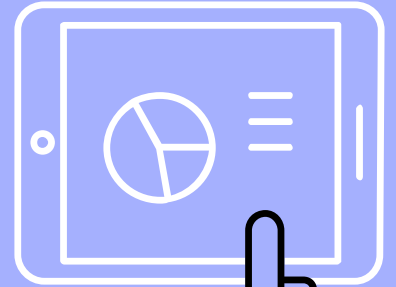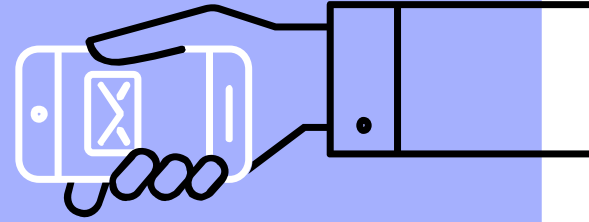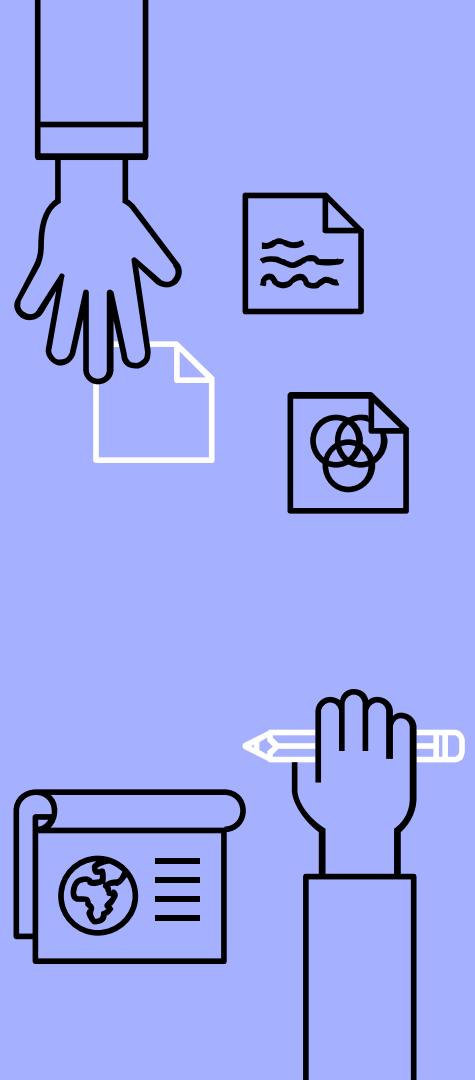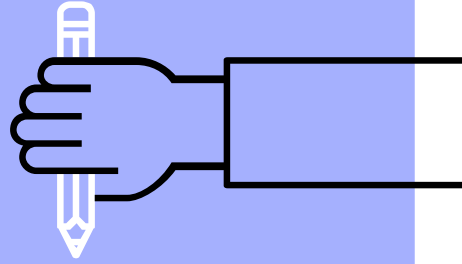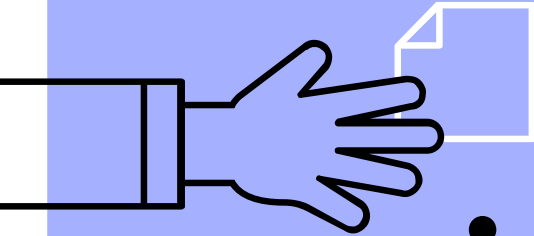# Intro to Javascript

Do Now (5 mins)

Let's reflect!

1. What is a conditional statement?
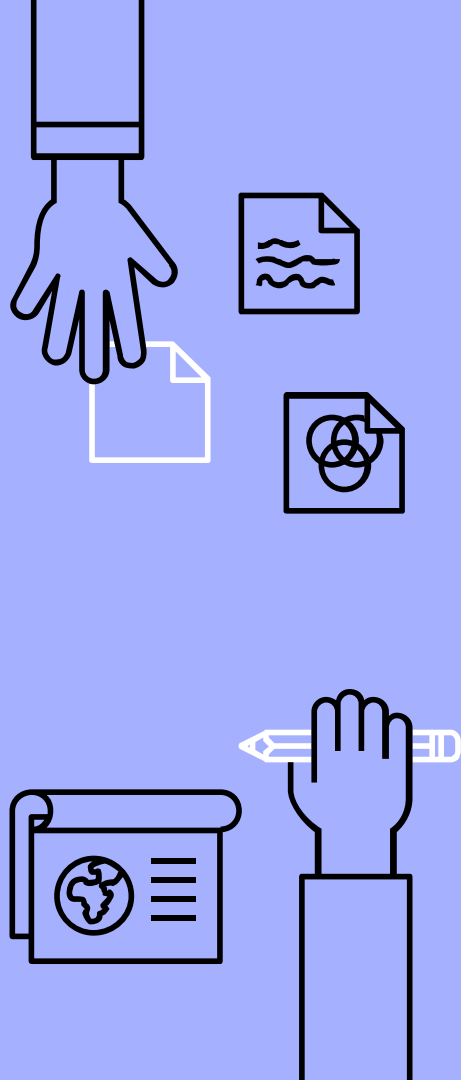2. How can we use both a conditional statement and a variable in code?

Objectives

- Review the different kinds of operators
- Learn how to check variables
- Understand different uses of String variables

Operators

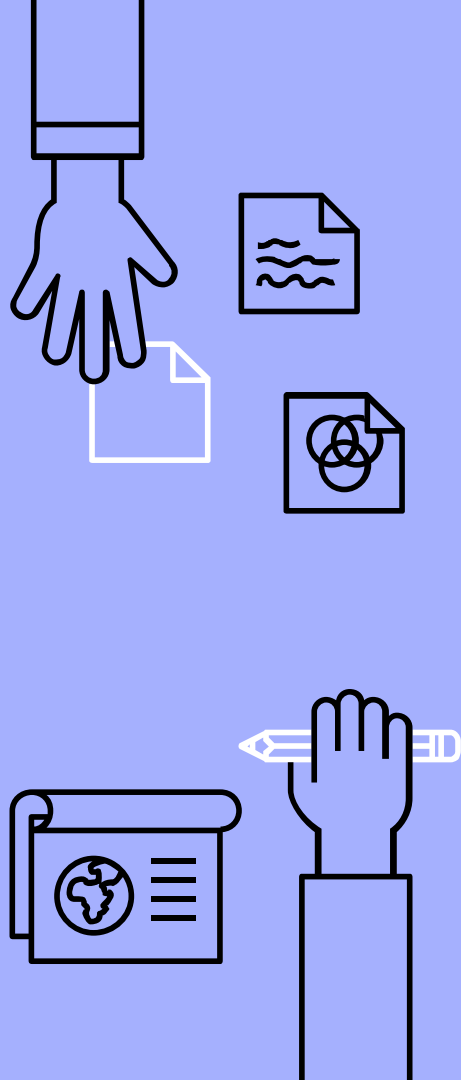In coding, operators are used for comparisons, calculations, and assignments of variables.

- Remember:

= assign

== check if it's equal to something
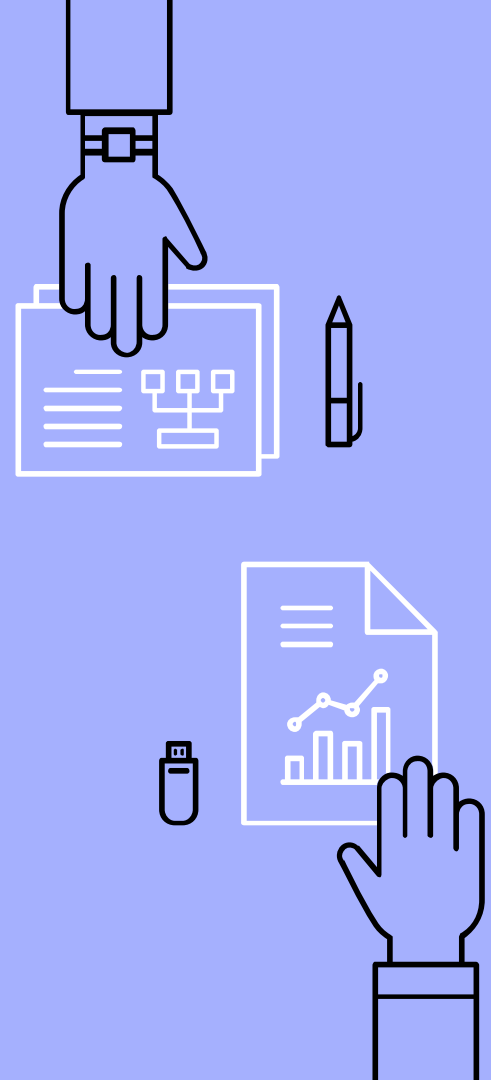
Review operators

We are used to seeing these symbols in math. In coding they are used in a similar way.

+ add   - subtract

* multiply   / divide

** exponent

== is equal to

> greater than

< less than

<= greater/equal to

>= less/equal to

≠ (in code, we use != for "not equal to)

Using operators with variables

We saw in our lesson with conditionals that variables can be checked against certain parameters. If we can check to see if we guessed a number correctly, we can do the same with strings (words).

" Something to note:

Remember that code is case-sensitive, meaning capital letters do not equal lowercase letters, just like passwords. Passwords are just one of many real-world examples where case-sensitivity is important to keep in mind.

Case-sensitive examples

- Password
- Names (people, places, things, ideas)
- File names
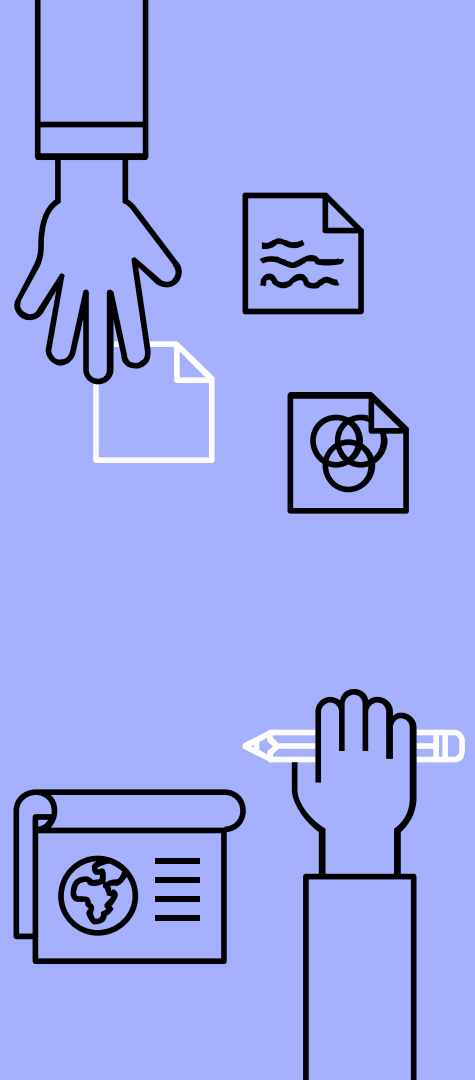- Keyword searching
- Variables!

Let's see some examples

User input:

stacey

**What will
print out?**

Code:

```
if (input!="Stacey"){
console.log("Do I know
you?");
} else {
console.log("Whatup
Stacey!");
}
```

Let's see some examples

User input:

password123
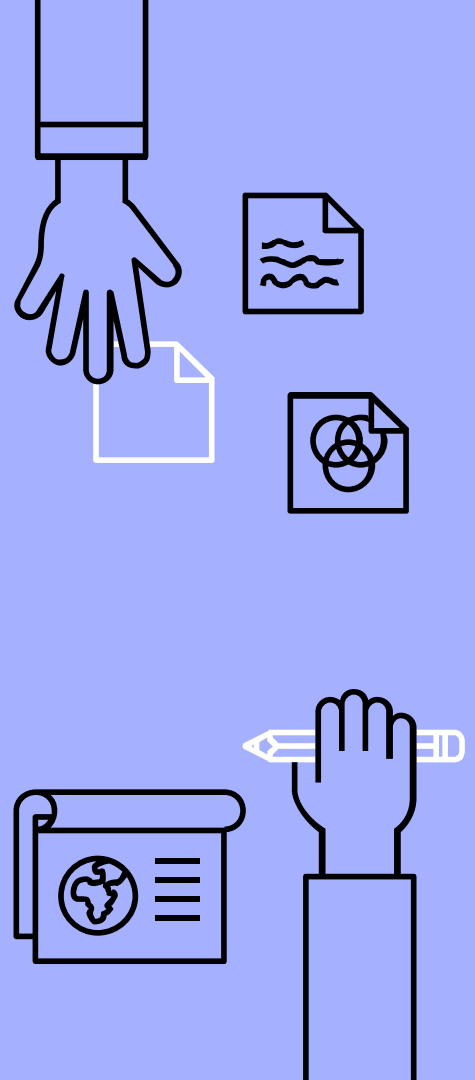
What will print out?

Code:

```
if (input=="PaSSwoRD123"){
  console.log("Logged in");
} else {
  console.log("Password incorrect");
}
```

Let's see some examples

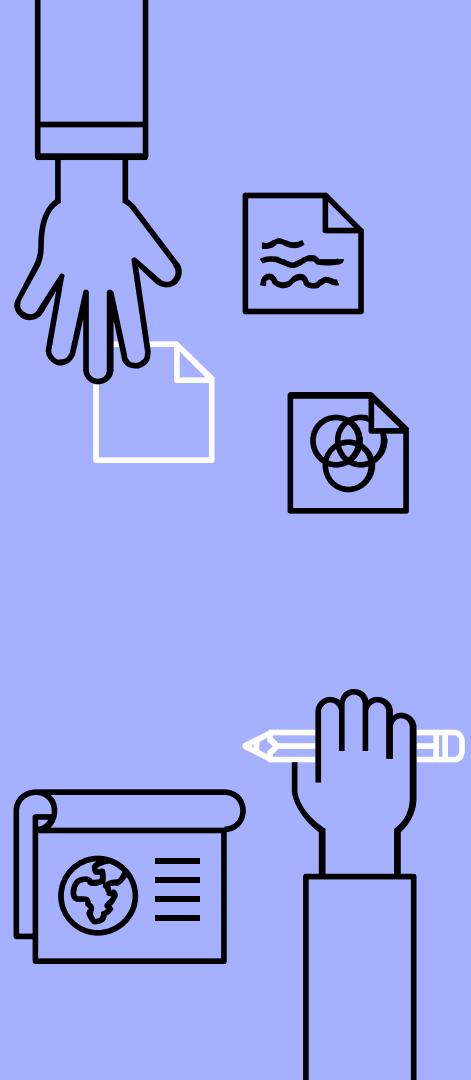**User input**:

potato.jpg

**What will
print out?**

Code:

```
if (input<"potatoes.jpg"){
    console.log("query not found");
} else {
    console.log("showing files");
}
```
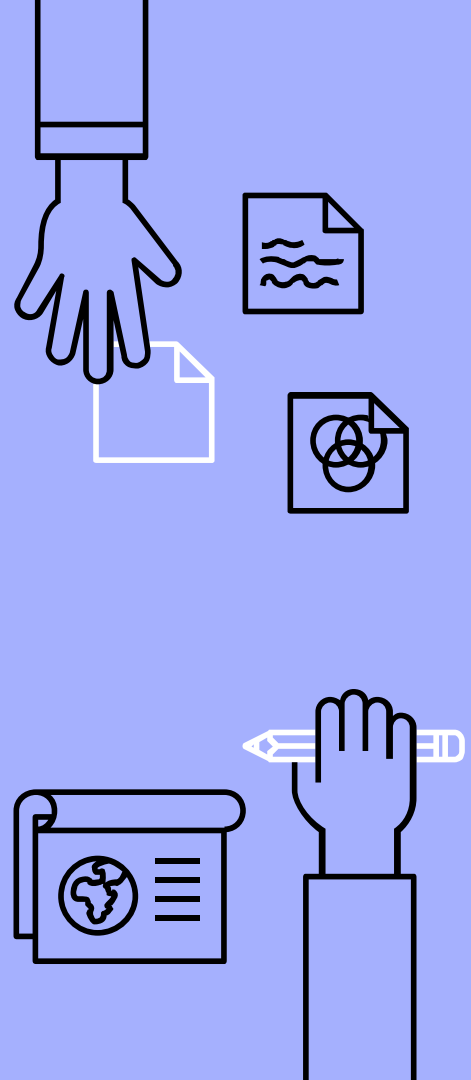
Let's see some examples

This one checks if the number of characters lines up with the input. Very useful for keyword searching!

<u>Code</u>:

```
if (input<"potatoes.jpg"){
console.log("query not found");
} else {
console.log("showing files");
}
```

Student Activity

Let's look at today's lab!

We will be using command prompt: a dialog box with an input feature that pops down from the top of a website.