**Conditional Statements**

1. **if – else: Similar to C**

if (condition){

//do something;

}

else{

//do something

}

1. **Comparison Operators**

is equal to ===

is not equal to !==

We can do string comparisons (like Python)

1. **Logical Operators: Similar to C ! && ||**
2. **Falsy values**

* 0
* Empty strings like "" or ''
* null which represent when there is no value at all
* undefined which represent when a declared variable lacks a value
* NaN, or Not a Numbery

1. **Short-circuit evaluation**

In a Boolean condition, JavaScript assigns the truthy value to a variable if you use the || operator in your assignment

🡪 Instead of having to use if…else statements, we can assign a variable with 1 of the 2 values, depending on which one is true (if both are true, the first one will be assigned)

**Text

Description automatically generatedlet <variableName> = <value1> || <value2>**

🡪 

1. **Ternary Operator ?**

The general form of this type of operator is

**<condition> ? <expression if true> : <expression if false>**

1. **Switch statement**

The switch statement can be used to replace a bunch of if…else if…else statements.

**switch (<variable-that-each-case-will-compare){**

**case <case-to-compare>:**

**expressions if case is true;**

**break;**

**case <case-to-compare>:**

**expressions if case is true;**

**break;**

**default:**

**expressions if case is true;**

**break;**

**}**

If none of the cases are true, then the code in the default statement will run.

NOTE: Without the break, all expressions including default will execute, regardless of whether the later matches the case.