

# Intro to Javascript

## Define the following

Statement:

Expression:

Token:

Identifier:

## In four sentences or less, explain the following

What is the difference between `=`, `==`, and `===`?

What is the difference between declaration and initialization?

## Exercise

Create a program that contains the following. Use values of your choosing that satisfy the conditions given.

a). Alpha is a number that is  $>$  Beta. Beta is a number  $<$  Charlie. Charlie is a string. In the program evaluate if Alpha and Beta have equal values, then determine if Beta and Charlie are equal values and are the same type. If Alpha is not less than Beta, log a message. If Beta and Charlie are of the same value and type, log a message.

b). Add a variable called Delta which is an object. Delta has 3 properties. Customers(number), id(string), landed(boolean).

In the program check if the number of customers is  $>$  Beta AND that delta's id is not equal to Charlie.

c). On a sheet or paper or digitally, draw an illustration of how following is allocated in memory.

```
1 let count = 3;
2 let main = false;
3 let Pokemon = {
4   name: Pikachu,
5   type: 'electric',
6   attack: 12,
7   defense: 10,
8   level: 5,
9   fainted: false
10 };
11
```