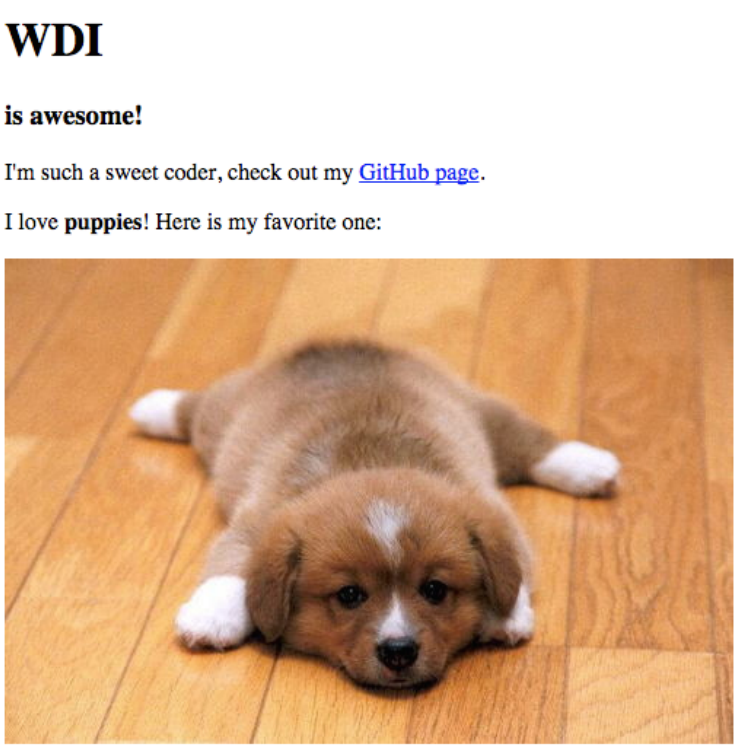
Day 1 Assessment

Instructions: Do your best! Show your work - we're more interested in your thought process and problem-solving skills than we are in exact syntax. Feel free to use code or "psuedo-code" (i.e. plain english).

1. Fill in the blank below. When executed, what will the last line of code evaluate to?

```
var student_name = __________;
var greeting = "Welcome to General Assembly, ";
console.log(greeting + student_name + "!");
```

2. Translate the following webpage into HTML (do not use any CSS styling).



3. Given the below code, how would you get the value `30` ?

```
var ages = [26, 28, 30, 28, 17];
```

4. Given the below code, how would you add the name "Michael Nesmith" to the monkees?

```
var monkees = ["Peter Tork", "Micky Dolenz", "Davy Jones"];
```

4.1 How would you find the total number of band members?

5. Given the code below, how would you get the street part of the address?

```
var address = {
    city: "San Francisco",
    number: 225,
    street: "Bush St.",
    state: "CA",
    zip: 94104
};
```

6. Given the `combine` function below, what is the output of the following function calls:

```
function combine (a, b) {
    return a + b;
}

// input               //=> output

combine("1", "2");     //=>
combine(4, 5);         //=>
combine("8");          //=>
combine(2, 3, 4);      //=>

var a = 1;
var b = 7;
var c = 19 + a;
combine(c, a);         //=>
var x = combine(a, b);
combine(x, b);         //=>
```

7. What is the output of the following code?

```
var rainbowColors = ["red", "orange", "yellow", "green", "blue", "indigo", "violet"];

for (var i = 0; i <= rainbowColors.length; i++) {
    console.log(rainbowColors[i]);
}
```

8. Write a function called `evaluateTemp` that returns "warm" or "cool" depending on the temperature. Anything above 50 degrees is "warm", while anything 50 degrees or below is "cool".

8.1 Based on the code you just wrote, what is the output of the following function calls:

```
// input        //=> output

evaluateTemp(30);  //=>
evaluateTemp(50);  //=>
evaluateTemp(70);  //=>
```

How hard was this problem?		How confident are you in your solution?	
Hard ◯ ◯ ◯ ◯	Easy	It's shaky ◯ ◯ ◯ ◯	Nailed it!

9. Write a function called `findGreater` that takes two arguments and returns the greater of the pair.

9.1 Based on the code you just wrote, what is the output of the following function calls:

```
// input                 //=> output

findGreater(7, 0);       //=>
findGreater(11, 11);     //=>

var b = 010;
var s = 100;
findGreater(b, s) === b;  //=>
findGreater(s, 1) === s;  //=>
```

How hard was this problem?		How confident are you in your solution?	
Hard ◯ ◯ ◯ ◯	Easy	It's shaky ◯ ◯ ◯ ◯	Nailed it!

10. Name as many JavaScript datatypes as you can think of. **Bonus:** give an example of each!