Var, Let, and Const

Scoping

Essentially, scoping means "where is this variable available to me?"

Var, Let, and Const all differ in terms of scope.

Var - function scope

Example 1 - variables defined within a function

```
function test(){
    var a = 100;
    console.log(a);
}
console.log(a);
//error as a is inaccessible
```

Example 2 - variables defined outside of a function

```
var age = 100;
if(age > 12){
      var dogYears = age * 7;
      console.log("You are " + dogYears + " dog years
old!");
}
console.log(dogYears); //dogYears is accessible
      as it was defined outside
      of a function and is
      therefore global
```

Let - block scope (just look for {})

Example 3

Example 4

Const - block scope

Example 5