Problem: Compute the nth Fibonacci number.

What is the Fibonacci sequence?
- A sequence of numbers such that the next number is found by adding the two before it.

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, ...
1 2 3 4 5 6 7 8   9   10   11   12

given n=9, the 9th fibonacci number = 21

following the definition, $f(9) = f(9-1) + f(9-2)$
$$f(8) + f(7)$$
$$13 + 8 = 21$$

Implementation

```
function findFibonacci (n) {
    if (n <= 0) {
        return 0;
    } else if ( n === 1) {
        return 1;
    }

    return (n-1) + (n-2);
}
```

combine into

```
if (n <= 1) {
    return n;
}
```