Problems to solve using JavaScript

1. FizzBuzz
   1. Write a function that prints every number from 0 to 100
   2. If a number is divisible by 3, print “fizz” instead of the number
   3. If a number is divisible by 5, print “buzz” instead of the number
   4. If a number is divisible by 3 AND 5, print “fizzbuzz” instead of the number
2. Reverse a string
   1. Write a function that takes a string as input and returns the string reversed
   2. i.e. “Hello” will be returned as “olleH”
3. Capitalize letter
   1. Write a function that takes the string parameter being passed and capitalize the first letter of each word. Words will be separated by only one space. i.e. “hello world” should be outputted as “Hello World”
4. Compress a string of characters
   1. For example, an input of "aaabbbbbccccaacccbbbaaabbbaaa" would compress to "3a5b4c2a3c3b3a3b3a"
5. Palindrome
   1. A word, phrase, or sequence that reads the same backward as forward i.e. madam
   2. Write a function that takes a user input and checks to see if it is a Palindrome and reports the result
6. Happy Numbers
   1. https://en.wikipedia.org/wiki/Happy\_number
7. Prime Numbers
   1. A prime number is a number that is only divisible by one and itself.
   2. Write a function that prints out all prime numbers between 1 and 100
8. Fibonacci
   1. A series of numbers in which each number (*Fibonacci number* ) is the sum of the two preceding numbers. The simplest is the series 1, 1, 2, 3, 5, 8, etc.
   2. Write a function that does the Fibonacci sequence starting at 1
   3. HARDER VERSION: Write a function that does the Fibonacci sequence starting at a number that a user inputs