Elementary

1. Write a program that asks the user for his name and greets him with his name. (HINT :Use prompt, alert)
2. Modify the previous program such that only the users Alice and Bob are greeted with their names. (HINT: Use if statement)
3. Write a program that asks the user for a number n and prints the sum of the numbers 1 to n
4. Modify the previous program such that only multiples of three or five are considered in the sum, e.g. 3, 5, 6, 9, 10, 12, 15 forn=17
5. Write a program that prints a multiplication table for number n. The program should work for only positive integers.
6. Write a program that prints *all* prime numbers up to n.
7. Write a guessing game where the user has to guess a secret number. After every guess the program tells the user whether his number was too large or too small. At the end the number of tries needed should be printed. I counts only as one try if the user inputs the same number consecutively.
8. Write a program that prints the next 20 leap years.

**Make a Web Application**

Build an interactive one-page web app using HTML, CSS and [**JavaScript**](http://www.codeconquest.com/tutorials/javascript/). Some ideas:

* a game or quiz
* a color picker
* a timer
* a checklist
* a word counter
* a calculator.

Javascript Objects

### The Recipe Card

Never forget another recipe!

* Create an object to hold information on your favorite recipe. It should have properties for title (a string), servings (a number), and ingredients (an array of strings).
* On separate lines (one console.log statement for each), log the recipe information so it looks like:
  + Mole
  + Serves: 2
  + Ingredients:
  + cinnamon
  + cumin
  + cocoa

### The Reading List

Keep track of which books you read and which books you want to read!

* Create an array of objects, where each object describes a book and has properties for the title (a string), author (a string), and alreadyRead (a boolean indicating if you read it yet).
* Iterate through the array of books. For each book, log the book title and book author like so: "The Hobbit by J.R.R. Tolkien".
* Now use an if/else statement to change the output depending on whether you read it yet or not. If you read it, log a string like 'You already read "The Hobbit" by J.R.R. Tolkien', and if not, log a string like 'You still need to read "The Lord of the Rings" by J.R.R. Tolkien.'

See Solution 

### The Movie Database

It's like IMDB, but much much smaller!

* Create an object to store the following information about your favorite movie: title (a string), duration (a number), and stars (an array of strings).
* Create a function to print out the movie information like so: "Puff the Magic Dragon lasts for 30 minutes. Stars: Puff, Jackie, Living Sneezes."

See Solution