Hands On 1

Setup

- First run and review the project we worked on in class
- Setup a new project, for each exercise below, create its own file

Basics

1. Read first name and last name, also create a variable fullName, and then welcome the user by his full name.
2. Read 2 numbers and print the result of every operation on them (+, -, *…)
3. Ask the user for 3 digits and print the the number in full
   for example: if the user entered 3,2,6 then we print 623.
   - Try do it also with numeric variables
4. Rolling Project - BankSystem (you will add more features to this project as we go along)
   - Initialize a variable: currentBalance with the value: 1000
   - prompt for the user secret and how much he would like to withdraw, and then print a nice message with the new balance.
   - Read temperature in Celsius, and print in Fahrenheit

Conditions

1. Ask the user how many friends he has and let him know what you think about it
2. Read 3 numbers and check if the 3rd is the sum of the first two, if so, print all numbers to the console
3. Read 3 numbers and print the smallest
4. Read 2 numbers and calculate the difference (absolute value)
   - if the diff is smaller from both values say that those numbers are relatively-close (depending on their value)
   - Validate that you got numbers
     (hint: search for something like: *javascript check if number*)
5. Rolling Project: BankSystem
   - Check that the secret is 'secret!', if not, tell the user its wrong and don’t let him withdraw

- Add feature: don't let the user withdraw more than he has in the account

6. Guess Who
   - Alert the user to think about some actor
   - Using the *confirm* function, ask the user 2 yes-no questions:
     - Male?
       - Blond?
         - Philip Seymour!
         - Tom Cruise!
       - English?
         - Julianne Moore!
         - Natalie Portman!
7. The Elevator –
   - Keep a currentFloor variable, initialize it to 0
   - Ask the user which floor he needs
   - Validate its between -2 (parking) and 4
   - Update the currentFloor variable accordingly
   - If the user goes to 0 say 'Bye Bye'
   - If the user goes to parking output: 'Drive Safely'

Strings

1. Read 2 names and print the longer one
2. read a string and print
   - print its length
   - print the first and last chars
   - print it in uppercase and lowercase
2. Rolling Project: BankSystem
   - Make the secret case insensitive

Functions

3. Write a function that gets a name as a parameter and greets him
4. Write a function that gets 2 numbers and return their sum
5. Write a function "even" that gets a number, and returns true if the number is even otherwise false.

6. Write a function "bigger" that receives 2 numbers and returns the bigger.
7. Write a function: *isOfAge* that gets a name and an age, it the user is not yet 18, alert him that he is too young, this function also returns a boolean