## Ten Simple Javascript Exercises

1. Define a function `max()` that takes two numbers as arguments and returns the largest of them. Use the if-then-else construct available in Javascript.
2. Define a function `maxOfThree()` that takes three numbers as arguments and returns the largest of them.
3. Write a function that takes a character (i.e. a string of length 1) and returns `true` if it is a vowel, `false` otherwise.
4. Write a function `translate()` that will translate a text into "rövarspråket". That is, double every consonant and place an occurrence of `"o"` in between. For example, `translate("this is fun")` should return the string `"tothohisos isos fofunon"`.
5. Define a function `sum()` and a function `multiply()` that sums and multiplies (respectively) all the numbers in an array of numbers. For example, `sum([1,2,3,4])` should return `10`, and `multiply([1,2,3,4])` should return `24`.
6. Define a function `reverse()` that computes the reversal of a string. For example, `reverse("jag testar")` should return the string `"ratset gaj"`.
7. Represent a small bilingual lexicon as a Javascript object in the following fashion `{"merry":"god", "christmas":"jul", "and":"och", "happy":gott", "new":"nytt", "year":"år"}` and use it to translate your Christmas cards from English into Swedish.
8. Write a function `findLongestWord()` that takes an array of words and returns the length of the longest one.
9. Write a function `filterLongWords()` that takes an array of words and an integer `i` and returns the array of words that are longer than `i`.
10. Write a function `charFreq()` that takes a string and builds a frequency listing of the characters contained in it. Represent the frequency listing as a Javascript object. Try it with something like `charFreq("abbabcbdbabdbdbababababcbcbab")`.