Homework. Using functions.

Nr 1

Create the function *f1*, which checks how many words in the sentence can be defined as a *Palindrome*(see http://en.wikipedia.org/wiki/Palindrome). This function must receive the word *x1*. Function prints the result using document.write() method.

Add a button to the page. Invoke the prompt box *on press* and inputted the word. Call the *f1* function with a parameter (input word).

Copy the *f1* function and name it *f2*. Modify *f2*. This function must *return* the result (the number of *Palindromes*). Delete document.write() method from *f2*. Call the function from the script. Print the result after calling *f2*.

Nr 2

Create the function *f1*, which finds the most frequent char in the inputted word. This function must receive the word *x1*. Function will print the result using document.write() method.

Add a button to the page. Invoke the prompt box *on press* and input the word. Call the *f1* function with a parameter (inputted word).

Copy the *f1* function and name it *f2*. Modify *f2*. This function must *return* the result (most frequent char). Delete document.write() method from *f2*. Call the function from the script. Print the result after calling *f2*.

Nr 3

Create the function *f1*, which replaces all vowels with the UTF-8 codes (http://www.utf8-chartable.de/). This function must receive the word *x1*. Function prints the result using document.write() method.

Add a button to the page. Invoke the prompt box *on press* and input the word. Call the *f1* function with a parameter (inputted word).

Copy the *f1* function and name it *f2*. Modify *f2*. This function must *return* the result (new word). Delete document.write() method from *f2*. Call the function from the script. Print the result after calling *f2*.

Nr 4

Create the function *f1*, which finds in the lengthiest word in the longest sentence. This function must receive the sentence *x1*. Function prints the result using document.write() method.

Add a button to the page. Invoke the prompt box *on press* and input the *sentence*. Call the *f1* function with a parameter (inputted *sentence*).

Copy the *f1* function and name it *f2*. Modify *f2*. This function must *return* the result (longest length). Delete document.write() method from *f2*. Call the function from the script. Print the result after calling *f2*.

Nr 5

Let's agree that our alphabet consist of 5 letters: a, e, d, k, s. User can input sequences (word), which include only these chars.

Create the function *f1*, which encrypts the inputted word. This function must receive the word *x1*.

You can use simple replacement for the encryption, such as

a→y

e→I etc.

Function prints the result using document.write() method.

Add a button to the page. Invoke the prompt box *on press* and input the *word*. Call the *f1* function with a parameter (inputted *word*).
Copy the *f1* function and name it *f2*. Modify *f2*. This function must *return* the result encrypted word). Delete document.write() method from *f2*. Call the function from the script. Print the result after calling *f2*.

Nr 6
Create two arrays with synonyms (use 3-6 synonyms per each). Create the function *f1*, which checks if the inputted word has some synonyms or not. This function must receive the word *x1*. Function also prints all the synonyms and the answer "yes" or "no" using the document.write() method.
Add a button to the page. Invoke the prompt box *on press* and input the word. Call the *f1* function with a parameter (inputted word).
Copy the *f1* function and name it *f2*. Modify *f2*. This function must *return* the result ("yes" or "no"). Delete document.write() method from *f2*. Call the function from the script. Print the result after calling *f2*.