

## JavaScript Test Assignment

1. Define a function *max()* that takes two numbers as arguments and returns the largest of them.
2. Define a function *middleOfThree()* that takes three numbers as argument and returns the middle of them. For Example *middleOfThree(10,15,8)* returns 10 as the answer.
3. Write a function which takes a word and show the characters which are not vowel in that word. And Also tell the number of vowels and consonants(not vowel).
4. Write a function *translate()* that will translate a text into **{rövarspråket}** that is Double every non-vowel word and place 'o' in between those double characters. For example **translate("My name is Sharique")** should return the output as **"MoMyoy nonamome isos Soshoharoriquoque"**.
5. Define a function *transform()* that takes 5 numbers from user. Store those 5 numbers in an array. Write a code in such a way that the output should be like this:

Input: 5,7,6,8,2

Store it as: [5,7,6,8,2]

Now perform multiplication on every two number and store the result of those multiplication in a new array like this:

Array index 0 should be  $5*7 = 35$

Array index 1 should be  $7*6 = 42$

Array index 2 should be  $6*8 = 48$

Array index 3 should be  $8*2 = 16$

Array index 4 should be  $2*5 = 10$  [Last index of an array should be multiplied by the 0 index of the array]

So the answer will be the array like this: **[35,42,48,16,10]**. After that sum all the numbers present in the new array. So the output will be **151**

Input: *transform(5,7,6,8,2)*

Output: [35,42,48,16,10] & 151

6. Define a function *reverse()* that computes the reversal of a string. For example, *reverse("jag testar")* should return the string "gaj ratset". Remember you cannot use *String.reverse()* method in this question. This is a reversal string word by word not the whole sentence.
7. Write a function *findLongestWord()* that takes an array of words and returns the length of the longest one and returns that longest word too.
8. 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. For example *filterLongWords(["hello","world","Saylani","JavaScript","MEAN","Batch02"],5)* should return the array of words ["Saylani","JavaScript","Batch02"].
9. 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("abbabcbdbabdbbabababcbcbab")*.

10 Write a function named *calculateAge* that:

1. takes 2 arguments: birth year, current year.
2. calculates the possible age based on those years.
3. outputs the result to the screen like so: "You are NN years old"

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1<sup>st</sup>: Assignment Submission: <https://saylani.herokuapp.com/>

2<sup>nd</sup>: Facebook Group