

Practice Questions

September 23, 2024

ALL students are REQUIRED to submit these questions' solution in drop box.

For your convenience, some of the functions that will be used are listed below. If you require assistance in fixing a problem, seek out others.

`s.length` - will tell us the length of the string (UTF-16 code units)

`s.charAt(1)` - returns the character at the given position (UTF-16 code unit). We can also use `s[1]` and use an index notation to get a particular character from the string.

`s.concat()` - returns a new string created by concatenating the original with the given arguments.

`s.includes("tex")` - returns true if the search string is found within the string, otherwise false if not found.

`s.startsWith("some")` - returns true if the string starts with the given substring, otherwise false.

`s.endsWith("text")` - returns true if the string ends with the given substring, otherwise false.

`s.slice(2, 3)` - returns a new string extracted (sliced) from within the original string. A beginning index and (optional) end index mark the position of the slice.

`s.split()` - returns an Array of substrings by splitting the original string based on the given separator .

`s.toLowerCase()` - returns a new string with all characters converted to lower case.

`s.toUpperCase()` - returns a new string with all characters converted to upper case.

`s.trim()` - returns a new string with leading and trailing whitespace removed.

Questions!

1. Write a JavaScript function that reverse a number.

Sample Data and output:

Example x = 15243; // reverseNumber(15234)

Expected Output: 34251

Hint: reverse() reverses what is given to it.

2. Write a JavaScript function that returns a passed string with letters in alphabetical order.

Example string : 'keyincollege'

Expected Output : 'ceeegikllnoy'

Sort() ...

3. Write a JavaScript function to get the extension of a filename.

4. Write a JavaScript function to get the current date.

Expected Output:

mm-dd-yyyy, mm/dd/yyyy or dd-mm-yyyy, dd/mm/yyyy

5. Write a function in JavaScript “capitalize(str)” that returns the string “str” with its first letter converted to capital (if that is small letter – if it is already capital, returns the string as is)
6. Write a function in JavaScript “checkPeriod(str)” that returns “contain period” if str contains a period “.”, otherwise it returns “no period”.
7. Write a function in JavaScript “putSuffix(num)” that takes a number “num” as parameter and puts a suffix with it. For example, if num is 22 then the function returns 22nd, if num is 23 then function returns 23rd and so on. If user does not provide a parameter, then it should return without anything.