**1.**Write a JavaScript function to check whether an `input` is a string or not.   
Test Data :  
console.log(is\_string('w3resource'));  
true  
console.log(is\_string([1, 2, 4, 0]));  
false

**2.**Write a JavaScript function to check whether a string is blank or not.   
Test Data :  
console.log(is\_Blank(''));  
console.log(is\_Blank('abc'));  
true  
false

**3.**Write a JavaScript function to split a string and convert it into an array of words.   
Test Data :  
console.log(string\_to\_array("Robin Singh"));  
["Robin", "Singh"]

**4.**Write a JavaScript function to extract a specified number of characters from a string.   
Test Data :  
console.log(truncate\_string("Robin Singh",4));  
"Robi"  
.

**5.**Write a JavaScript function to convert a string in abbreviated form.   
Test Data :  
console.log(abbrev\_name("Robin Singh"));  
"Robin S."  
.

**6.**Write a JavaScript function to hide email addresses to protect from unauthorized user.   
Test Data :  
console.log(protect\_email("robin\_singh@example.com"));  
"robin...@example.com"  
.

**7.**Write a JavaScript function to parameterize a string.   
Test Data :  
console.log(string\_parameterize("Robin Singh from USA."));  
"robin-singh-from-usa"  
.

**8.**Write a JavaScript function to capitalize the first letter of a string.   
Test Data :  
console.log(capitalize('js string exercises'));  
"Js string exercises"  
.

**9.**Write a JavaScript function to capitalize the first letter of each word in a string.   
Test Data :  
console.log(capitalize\_Words('js string exercises'));  
"Js String Exercises"  
.

**10.**Write a JavaScript function that takes a string which has lower and upper case letters as a parameter and converts upper case letters to lower case, and lower case letters to upper case.   
Test Data :  
console.log(swapcase('AaBbc'));  
"aAbBC"  
.

**11.**Write a JavaScript function to convert a string into camel case.  
Test Data :  
console.log(camelize("JavaScript Exercises"));  
console.log(camelize("JavaScript exercises"));  
console.log(camelize("JavaScriptExercises"));  
"JavaScriptExercises"  
"JavaScriptExercises"  
"JavaScriptExercises"  
.

**12.**Write a JavaScript function to uncamelize a string.   
Test Data :  
console.log(uncamelize('helloWorld'));  
console.log(uncamelize('helloWorld','-'));  
console.log(uncamelize('helloWorld','\_'));  
"hello world"  
"hello-world"  
"hello\_world"  
.

**13.**Write a JavaScript function to concatenates a given string n times (default is 1).   
Test Data :  
console.log(repeat('Ha!'));  
console.log(repeat('Ha!',2));  
console.log(repeat('Ha!',3));  
"Ha!"  
"Ha!Ha!"  
"Ha!Ha!Ha!"  
.

**14.**Write a JavaScript function to insert a string within a string at a particular position (default is 1).  
Test Data :  
console.log(insert('We are doing some exercises.'));  
console.log(insert('We are doing some exercises.','JavaScript '));  
console.log(insert('We are doing some exercises.','JavaScript ',18));  
"We are doing some exercises."  
"JavaScript We are doing some exercises."  
"We are doing some JavaScript exercises."  
.

**15.**Write a JavaScript function to humanized number (Formats a number to a human-readable string.) with the correct suffix such as 1st, 2nd, 3rd or 4th.   
Test Data :  
console.log(humanize\_format());  
console.log(humanize\_format(1));  
console.log(humanize\_format(8));  
console.log(humanize\_format(301));  
console.log(humanize\_format(402));  
"1st"  
"8th"  
"301st"  
"402nd"  
.

**16.**Write a JavaScript function to truncates a string if it is longer than the specified number of characters. Truncated strings will end with a translatable ellipsis sequence ("…") (by default) or specified characters.   
Test Data :  
console.log(text\_truncate('We are doing JS string exercises.'))  
console.log(text\_truncate('We are doing JS string exercises.',19))  
console.log(text\_truncate('We are doing JS string exercises.',15,'!!'))  
"We are doing JS string exercises."  
"We are doing JS ..."  
"We are doing !!"  
.

**17.**Write a JavaScript function to chop a string into chunks of a given length.   
Test Data :  
console.log(string\_chop('w3resource'));  
console.log(string\_chop('w3resource',2));  
console.log(string\_chop('w3resource',3));  
["w3resource"]  
["w3", "re", "so", "ur", "ce"]  
["w3r", "eso", "urc", "e"]  
.

**18.**Write a JavaScript function to count the occurrence of a substring in a string.   
Test Data :  
console.log(count("The quick brown fox jumps over the lazy dog", 'the'));  
Output :  
2  
console.log(count("The quick brown fox jumps over the lazy dog", 'fox',false));  
Output :  
1  
.

**19.**Write a JavaScript function to escape a HTML string.   
Test Data :  
console.log(escape\_HTML('<a href="javascript-string-exercise-17.php" target="\_blank">'));  
Output :  
"&lt;a href=&quot;javascript-string-exercise-17.php&quot; target=&quot;\_blank&quot;&gt;"  
.

**20.**Write a JavaScript function that can pad (left, right) a string to get to a determined length.   
Test Data :  
console.log(formatted\_string('0000',123,'l'));  
console.log(formatted\_string('00000000',123,''));  
Output :  
"0123"  
"12300000"  
.

**21.**Write a JavaScript function to repeat a string a specified times.   
Test Data :  
console.log(repeat\_string('a', 4));  
console.log(repeat\_string('a'));  
Output :  
"aaaa"  
"Error in string or count."  
.

**22.**Write a JavaScript function to get a part of a string after a specified character.  
Test Data :  
console.log(subStrAfterChars('w3resource: JavaScript Exercises', ':','a'));  
console.log(subStrAfterChars('w3resource: JavaScript Exercises', 'E','b'));  
Output :  
"w3resource"  
"xercises"  
.

**23.**Write a JavaScript function to strip leading and trailing spaces from a string.   
Test Data :  
console.log(strip('w3resource '));  
console.log(strip(' w3resource'));  
console.log(strip(' w3resource '));  
Output :  
"w3resource"  
"w3resource"  
"w3resource"  
.

**24.**Write a JavaScript function to truncate a string to a certain number of words.   
Test Data :  
console.log(truncate('The quick brown fox jumps over the lazy dog', 4));  
Output :  
"The quick brown fox"  
.

**25.**Write a JavaScript function to alphabetize a given string.   
Alphabetize string : An individual string can be alphabetized. This rearranges the letters so they are sorted A to Z.  
Test Data :  
console.log(alphabetize\_string('United States'));  
Output :  
"SUadeeinsttt"  
.

**26.**Write a JavaScript function to remove the first occurrence of a given 'search string' from a string.   
Test Data :  
console.log(remove\_first\_occurrence("The quick brown fox jumps over the lazy dog", 'the'));  
Output :  
"The quick brown fox jumps over lazy dog"  
.

**27.**Write a JavaScript function to convert ASCII to Hexadecimal format.   
Test Data :  
console.log(ascii\_to\_hexa('12'));  
console.log(ascii\_to\_hexa('100'));  
Output :  
"3132"  
"313030"  
.

**28.**Write a JavaScript function to convert Hexadecimal to ASCII format.   
Test Data :  
console.log(hex\_to\_ascii('3132'));  
console.log(hex\_to\_ascii('313030'));  
Output :  
"12"  
"100"  
.

**29.**Write a JavaScript function to find a word within a string.   
Test Data :  
console.log(search\_word('The quick brown fox', 'fox'));  
console.log(search\_word('aa, bb, cc, dd, aa', 'aa'));  
Output :  
"'fox' was found 1 times."  
"'aa' was found 2 times."  
.

**30.**Write a JavaScript function check if a string ends with specified suffix.   
Test Data :  
console.log(string\_endsWith('JS PHP PYTHON','PYTHON'));  
true  
console.log(string\_endsWith('JS PHP PYTHON',''));  
false  
.

**31.**Write a JavaScript function to escapes special characters (&, <, >, ', ") for use in HTML.   
Test Data :  
console.log(escape\_html('PHP & MySQL'));  
"PHP &amp; MySQL"  
console.log(escape\_html('3 > 2'));  
"3 &gt; 2"  
.

**32.**Write a JavaScript function to remove?[non-printable ASCII chars](https://en.wikipedia.org/wiki/ASCII#ASCII_printable_characters).   
Test Data :  
console.log(remove\_non\_ascii('???????PHP-MySQL??????'));  
"PHP-MySQL"  
.

**33.**Write a JavaScript function to remove non-word characters.   
Test Data :  
console.log(remove\_non\_word('PHP ~!@#$%^&\*()+`-={}[]|\\:";\'/?><., MySQL'));  
"PHP - MySQL"  
.

**34.**Write a JavaScript function to convert a string to title case.   
Test Data :  
console.log(sentenceCase('PHP exercises. python exercises.'));  
"Php Exercises. Python Exercises."  
.

**35.**Write a JavaScript function to remove HTML/XML tags from string.   
Test Data :  
console.log(strip\_html\_tags('<p><strong><em>PHP Exercises</em></strong></p>'));  
"PHP Exercises"  
.

**36.**Write a JavaScript function to create a Zerofilled value with optional +, - sign.   
Test Data :  
console.log(zeroFill(120, 5, '-'));  
"+00120"  
console.log(zeroFill(29, 4));  
"0029"  
.

**37.**Write a JavaScript function to test case insensitive (except special Unicode characters) string comparison.   
Test Data :  
console.log(compare\_strings('abcd', 'AbcD'));  
true  
console.log(compare\_strings('ABCD', 'Abce'));  
false  
.

**38.**Write a JavaScript function to create a case-insensitive search.   
Test Data :  
console.log(case\_insensitive\_search('JavaScript Exercises', 'exercises'));  
"Matched"  
console.log(case\_insensitive\_search('JavaScript Exercises', 'Exercises'));  
"Matched"  
console.log(case\_insensitive\_search('JavaScript Exercises', 'Exercisess'));  
"Not Matched"  
.

**39.**Write a JavaScript function to Uncapitalize? the first character of a string.   
Test Data :  
console.log(Uncapitalize('Js string exercises'));  
"js string exercises"  
.

**40.**Write a JavaScript function to Uncapitalize the first letter of each word of a string.   
Test Data :  
console.log(unCapitalize\_Words('Js String Exercises'));  
"js string exercises"  
.

**41.**Write a JavaScript function to capitalize each word in the string.   
Test Data :  
console.log(capitalizeWords('js string exercises'));  
"JS STRING EXERCISES"  
.

**42.**Write a JavaScript function to uncapitalize each word in the string.   
Test Data :  
console.log(unCapitalizeWords('JS STRING EXERCISES'));  
"js string exercises"  
.

**43.**Write a JavaScript function to test whether the character at the provided (character) index is upper case.   
Test Data :  
console.log(isUpperCaseAt('Js STRING EXERCISES', 1));  
false  
.

**44.**Write a JavaScript function to test whether the character at the provided (character) index is lower case.   
Test Data :  
console.log(isLowerCaseAt ('Js STRING EXERCISES', 1));  
true  
.

**45.**Write a JavaScript function to get humanized number with the correct suffix such as 1st, 2nd, 3rd or 4th.   
Test Data :  
console.log(humanize(1));  
console.log(humanize(20));  
console.log(humanize(302));  
"1st"  
"20th"  
"302nd"  
.

**46.**Write a JavaScript function to test whether a string starts with a specified string.   
Test Data :  
console.log(startsWith('js string exercises', 'js'));  
true  
.

**47.**Write a JavaScript function to test whether a string ends with a specified string.   
Test Data :  
console.log(endsWith('JS string exercises', 'exercises'));  
true  
.

**48.**Write a JavaScript function to get the successor of a string.   
  
Note: The successor is calculated by incrementing characters starting from the rightmost alphanumeric (or the rightmost character if there are no alphanumerics) in the string. Incrementing a digit always results in another digit, and incrementing a letter results in another letter of the same case. If the increment generates a carry, the character to the left of it is incremented. This process repeats until there is no carry, adding an additional character if necessary.  
Example :  
string.successor("abcd") == "abce"  
string.successor("THX1138") == "THX1139"  
string.successor("< >") == "< >"  
string.successor("1999zzz") == "2000aaa"  
string.successor("ZZZ9999") == "AAAA0000"

Test Data :  
console.log(successor('abcd'));  
console.log(successor('3456'));  
"abce"  
"3457"  
.

**49.**Write a JavaScript function to get unique guid (an acronym for 'Globally Unique Identifier?) of the specified length, or 32 by default.   
Test Data :  
console.log(guid());  
console.log(guid(15));  
"hRYilcoV7ajokxsYFl1dba41AyE0rUQR"  
"b7pwBqrZwqaDrex"  
.