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?.
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"
.

More to Come !