

String Functions:

- 1 .length:** Returns the length of a string.
- 2 .toUpperCase():** Converts a string to uppercase.
- 3 .toLowerCase():** Converts a string to lowercase.
- 4 .trim():** Removes whitespace from the beginning and end of a string.
- 5 .concat():** Combines two or more strings and returns a new string.
- 6 .indexOf():** Returns the index of the first occurrence of a specified value in a string.
- 7 .lastIndexOf():** Returns the index of the last occurrence of a specified value in a string.
- 8 .slice():** Extracts a portion of a string and returns a new string.
- 9 .substring():** Returns the characters between two specified indices in a string.
- 10 .charAt():** Returns the character at a specified index in a string.
- 11 .replace():** Replaces a specified value or regular expression with another value in a string.
- 12 .split():** Splits a string into an array of substrings based on a specified separator.
- 13 .startsWith():** Checks if a string starts with a specified value.
- 14 .endsWith():** Checks if a string ends with a specified value.
- 15 .search():** Searches a string for a specified value or regular expression and returns the index of the match.

Array Functions:

- 1 .length:** Returns the number of elements in an array.
- 2 .concat():** Joins two or more arrays and returns a new array.
- 3 .join():** Joins all elements of an array into a string.
- 4 .indexOf():** Returns the index of the first occurrence of a specified value in an array.
- 5 .lastIndexOf():** Returns the index of the last occurrence of a specified value in an array.
- 6 .push():** Adds one or more elements to the end of an array and returns the new length.
- 7 .pop():** Removes the last element from an array and returns that element.
- 8 .shift():** Removes the first element from an array and returns that element.
- 9 .unshift():** Adds one or more elements to the beginning of an array and returns the new length.
- 10 .slice():** Extracts a portion of an array and returns a new array.
- 11 .splice():** Adds or removes elements from an array.
- 12 .reverse():** Reverses the order of the elements in an array.
- 13 .sort():** Sorts the elements of an array.
- 14 .forEach():** Executes a provided function once for each array element.
- 15 .map():** Creates a new array with the results of calling a provided function on every element in the array.

Math Functions:

- 1 **.Math.random()**: Returns a random number between 0 (inclusive) and 1 (exclusive).
- 2 **.Math.abs()**: Returns the absolute value of a number.
- 3 **.Math.round()**: Rounds a number to the nearest integer.
- 4 **.Math.floor()**: Rounds a number down to the nearest integer.
- 5 **.Math.ceil()**: Rounds a number up to the nearest integer.
- 6 **.Math.max()**: Returns the largest of zero or more numbers.
- 7 **.Math.min()**: Returns the smallest of zero or more numbers.
- 8 **.Math.pow()**: Returns the value of a base raised to the power of an exponent.
- 9 **.Math.sqrt()**: Returns the square root of a number.
- 10 **.Math.sin()**: Returns the sine of a number.