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Strings

Strings is a sequence of characters used to represent text.

1) Create string ↗ value of string
 let str = "Lebron".
↘ string variable name.

Every string has some property which holds the information about string.

→ length property.
 str.length ↗ gives the length of the string
↘ string variable name.

String behaves somewhat like objects only like for eg:- obj.key gives the value of that key.
 Similarly str.length gives the value of the length.

Suppose we have a string:- "Lebron".
 Each character of this string will have its position & these positions are called as index.

L e b r o n
 0 1 2 3 4 5

Suppose we want to access the index 2 then simply we can write.

String ↗ index
 name str[2]; ↘ We will have access to the character at 2 index.



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Template literals

A way to have embedded expressions in strings

'This is a template literal'

String interpolation

To create strings by doing substitution of placeholders.

'string text \${expression} string text'

Escape characters:

\n - gives a line break.

\t - gives a tab space.

String methods in Javascript:-

These are ~~built-in~~ built-in functions to manipulate a string.

1. > Str. toUpperCase()

converts the string to uppercase but do not change the original string.

Strings are immutable in Javascript i.e. it cannot be changed.

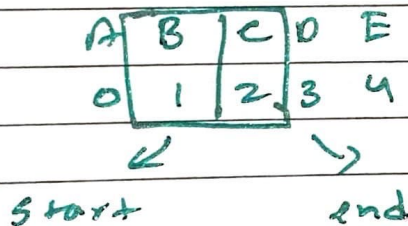


2.) `str.toLowerCase()`;
converts the string to lower cases.

3.) `str.trim()`;
removes white spaces from beginning and ending of the string.

4.) `str.slice(start, end?)` // returns part of string.

This ending value is optional & non inclusive. this means that if we have a string



`str.slice(1, 2?)` the output will be "BC" & not D as it is not inclusive in JS.

5.) `str.concat(str1)`;
Joins `str1` with `str`.

We can get the same output with:
`let result = str + str1;`

both will provide same output.

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6.→ Str.replace (Search value, new value);

↙
This value
will be searched in
the string str

↘
then that
value will be
replaced by the
new value

7.→ Str.char AT (index);

This will give the output of the value at the
provided index.