

Lesson 8

Git Hub link: <https://github.com/Sardor1009/Java-string.git>

Vercel link: <https://java-string.vercel.app/>

1. Backticks using backticks is really good in accord to others like double quotes or quotes

2. `\' → '`

3. `\" → "`

4. `\\ → \`

5. `\\n → new line` it is like the `br` function in html

6. `\\t → tab` about an inch left side space

- Other names for backticks:
- Template literals
- Template Strings
- String Templates

7. String interpolation; In JavaScript, **String interpolation** is the process of using variables into an existing string for various purposes.

8. `let fullName = "Abdulaziz Programmer";`

9. `let isMarried = false;`

10. `let birthYear = 1999;`

11. `let res = `${isMarried ? "2 boshli" : "Bo'ydoq"} ${fullName} hozir ${2023 - birthYear} yoshda.``

12. string interpolation => no pluses, it is more like this structure and you should insert only variables in it - no non-variables : ``$ {} $ {} $ {} $ {}``

13. `let fullName = "Abdulaziz Programmer";`

14. `console.log(fullName.length);`

15. accessing to number of string: `let fullName = "Abdulaziz Programmer";`

16. `console.log(fullName[0]);`

17. `console.log(fullName[5]);`

18. `console.log(fullName['10'])`

19. `console.log(fullName[fullName.length - 1])`

20. ways to find where the letters are placed:

`console.log("Z".codePointAt()); // 90`

`console.log("z".codePointAt()); // 122`

21. iteration of them is like that of arrays (massive in uzbek)

`for (let i = 0; i < str.length; i++) {`

`console.log(str[i]);}`

`for (i in str) {`

`console.log(i)`

`for (el of str) {`

`console.log(el)}`

22. spread order: `let str = "Abdulaziz Programmer";`

23. let arr = [...str];

24. console.log(arr);

- here are some examples:
- **slice**(startIndex, endIndex) (+negative) → new string
- substring(startIndex, endIndex) → new string +++++ only work with positive integers
- **toLowerCase**(), toUpperCase() → new string
- replace, replaceAll() → new string ⇒ replace(“sardor”, “Nurbek”)
- concat() → new string
- **trim**(), trimStart(), trimEnd() → new string
- padStart(reachNumber, item), padEnd(reachNumber, item) → new string
- charAt(), charCodeAt()
- repeat(number) → new string
- **split**() → new array

- search methods: startsWith(), endsWith(), includes() → Boolean
- indexOf(), lastIndexOf(), search() → index

25. eval function: It is necessary to change string to a number when an expression is inserted in string;

26. let exp = '(12 - 4 + 6 * 3) / 2';

27. let res = eval(exp);

28. console.log(res);

29.