1. Declare a variable and assign it a string sentence.

```
let hello = "Hello, how are you?"
```

2. Print the previous string value in the browser console.

```
console.log(hello)
```

3. Print the length of the string on the browser console.

```
console.log(hello.length)
```

4. Change all the string characters to capital letters.

```
console.log(hello.toUpperCase())
```

5. Change all the string characters to lowercase letters.

```
console.log(hello.toLowerCase())
```

6. Remove any trailing whitespace at the beginning and the end of ` Hello world! `.

```
console.log(hello.trim(' '))
```

7. Cut out the first word of the previous string using two different methods.

```
console.log(hello.substr(7,12))
console.log(hello.substring(7))
```

8. Obtain the phrase Days Of JavaScript from I Love Days Of JavaScript.

```
let phrase = "I Love Days Of JavaScript"
let subphrase = phrase.substring(7)
console.log(subphrase)
```

9. Check if the string contains the word Days.

```
console.log(subphrase.includes('Days'))
```

10. Split the string into an array.

```
console.log(subphrase.split(' '))
```

11. Split the string I Love Days Of JavaScript at the space.

```
console.log(phrase.split(' '))
```

12. 'Facebook, Google, Microsoft, Apple, IBM, Oracle, Amazon' split the string at the comma plus a space `, ` into an array.

```
let company = 'Facebook, Google, Microsoft, Apple, IBM, Oracle, Amazon'
console.log(company.split(', ))
```

13. Change I Love Days Of JavaScript to I Love Weeks Of JavaScript.

```
console.log(phrase.replace('Days', 'Weeks'))
```

14. Find the character at index 15 in 'I Love Days Of JavaScript'.

```
console.log(phrase.charAt(15))
```

15. Determine the position of the first occurrence of `a` in I Love Days Of JavaScript.

```
console.log(phrase.indexOf('a'))
```

16. Determine the position of the last occurrence of a in I Love Days Of JavaScript.

```
console.log(phrase.lastIndexOf('a'))
```

17. Find the position of the first occurrence of the word because in the following sentence: 'You cannot end a sentence with because, because it is a conjunction'.

```
let phraseBecause = 'You cannot end a sentence with because, because it is a conjunction'
console.log(phraseBecause.indexOf('because'))
```

18. Find the position of the last occurrence of the word because in the previous sentence.

```
console.log(phraseBecause.lastIndexOf('because'))
```

19. Merge the strings 'I love' and 'sunny days' to a single string, 'I love sunny days'.

```
let love = 'I love'
let sunny  = 'sunny days'
console.log(love.concat(sunny))
```

20. Use startsWith() with the string These Are Days Of JavaScript to make the result true.

```
let days = 'These Are Days Of JavaScript'
console.log(days.startsWith('These'))
```

21. Use endsWith() with the string These Are Days Of JavaScript to make the result true.

```
console.log(days.endsWith('JavaScript'))
```

22. Use repeat() method to print 'I love sunny days' 10 times.

```
let phraseTwo = love.concat(sunny)
console.log(phraseTwo.repeat(10))
```

23. Use console.log() to print out the following statement: The quote 'There is no exercise better for the heart than reaching down and lifting people up.' by John Holmes teaches us to help one another.

```
console.log('The quote \'There is no exercise better for the heart than reaching
down and lifting people up.\' by John Holmes teaches us to help one another')
```

24. Using console.log() to print out the following quote by Mother Teresa: "Love is not patronizing, and charity isn't about pity, it is about love. Charity and love are the same -- with charity you give love, so don't just give money but reach out your hand instead."

```
console.log('Mother Teresa: \"Love is not patronizing, and charity isn\'t about
pity, it is about love. Charity and love are the same -- with charity you give
love, so don\'t just give money but reach out your hand instead.\"'
```

25. Make typeof '10' exactly equal to typeof 10.

```
let num = '10'
let numIntA = parseInt(num)
```

26. Make the string '9.8' exactly equal to the number 10.

```
let num = 9.8
let numInt = parseInt(num)
```

27. Generate a random number between 0 and 255 inclusively.

```
let randNum = Math.floor(Math.random()*256)
```

28. 'Work is a tough thing in this world. Some people like to work but many people still seek some strength to work every day.' Count the number of the word `work` in this sentence.

```
let sentence = 'Work is a tough thing in this world. Some people like to work
but many people still seek some strength to work every day.'
let count = sentence.match(/\bwork\b/gi).length
console.log(count)
```