

Strings

1. Create a script with 2 string variables. Display both variables between:
 - **single quotation marks**
 - **double quotation marks**
 - **inverted quotes**
 - a) Using traditional string concatenation
 - b) Using string literals
2. In this exercise, you will create a function that accepts the components of an email sending service and combines them into an email body template. To make things more interesting, only adults are eligible to post comments on the website. Accordingly, the message text will change.

```
function sendEmail(name, age, comments, email)
```

- check the passed parameters. If any are invalid or missing, the function will simply return null
- use the ternary operator to check whether this person is of legal age or not.

```
sendEmail("Jane", 27, "Your website is fantastic!","jane@gmail.com");
```

```
// => "A user has posted a comment from the website:
```

```
// => name: Jane
```

```
// => age: 27
```

```
// => status: Jane is a valid user (jane@gmail.com)
```

```
// => comments: Your website is fantastic!"
```

3. Write a JavaScript program to replace every character in a given string with the character following it in the alphabet.
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 into abbreviated form.
Test Data :

```
console.log(abbrev_name("Robin Singh"));
```

```
"Robin S."
```

6. Write a JavaScript function that hides email addresses to prevent unauthorized access.

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 each word in a string.

Test Data :

```
console.log(capitalize_Words('js string exercises'));
"Js String Exercises"
```

9. Write a JavaScript function that takes a string with both lowercase and upper case letters as a parameter. It converts upper case letters to lower case, and lower case letters to upper case.

Test Data :

```
console.log(swapcase('AaBbc'));
"aAbBC"
```

10. 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"
```

11. Write a JavaScript function to uncommelize a string.

Test Data :

```
console.log(uncamelize('helloWorld'));
console.log(uncamelize('helloWorld','-'));
console.log(uncamelize('helloWorld','_'));
"hello world"
"hello-world"
"hello_world"
```