



Exercise 4: JavaScript I Introduction

You can upload the files without the need to zip them. Just remember to name accordingly.

1. Use the commands `alert()`, `prompt()` and/or `confirm()` to create a program to read the name of a user and show how many letters his name has (count only letters).

Sample Output: Mario Pereira: 12 characters

2. Write a JavaScript for loop that will iterate from 0 to 15. Each iteration will check if the current number is odd or even and display a message on the screen. Sample Output :

0 is even

1 is odd

2 is even

3. Write a JavaScript program to find the most frequent item of an array.

Sample array: `const arr1=[3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9];`

Sample Output: a (5 times)

4. We have the following arrays:

```
color = ["Blue ", "Green", "Red", "Orange", "Violet",  
"Indigo"];
```

```
order = [2, 1, 4, 5, 6, 3]
```

Write a JavaScript program to display the colors in the following way :

1st choice is Green.

2nd choice is Blue.

3rd choice is Indigo.

...

5. Write a JavaScript program to display the following books' reading status (i.e., display book name, author name, and reading status). Then add a new book to the list. Finally, display only books with `readingStatus` false.

```
let library = [  
  {   author: 'Bill Gates',  
      title: 'The Road Ahead',
```



```
        readingStatus: true
    },
    {
        author: 'Steve Jobs',
        title: 'Walter Isaacson',
        readingStatus: true
    },
    {
        author: 'Suzanne Collins',
        title: 'Mockingjay: The Final Book of The Hunger
Games',
        readingStatus: false
    }
];
```

Good luck!