

Glittle

**Objective:** In this Assignment, you will be provided with the HTML structure for a website. Your task is to replicate the visual appearance and styling of the given website using CSS.

**Requirements:**

- Use the **universal selector** (\*) to apply global styling throughout the webpage.
- Apply the **box-sizing** property to understand its role in layout.
- Utilize the **:root** selector to define and apply custom gradient colors on the webpage.
- Apply pseudo-elements (Ex: **::after**) to achieve decorative effects in your styling.
- Use '**@keyframes**' to apply basic CSS animations and add subtle movements or transitions.
- **Optional:** Implement '**@media**' queries to adjust the design for different devices and ensure responsiveness.

**Note:** Refer to the sample video of the website for visual guidance.

JavaScript Functions and Array Methods

1. Write a function called **isEven** that takes in a number as a parameter and returns `true` if the number is even, and `false` otherwise.

2. Convert the following function into an **arrow function**:

```
function capitalizeWords(sentence) {  
  return sentence.split(" ").map(function(word) {  
    return word.charAt(0).toUpperCase() + word.slice(1);  
  }).join(" ");  
}
```

3. Write a function called **printSquares** that takes an array of numbers as input and uses the **forEach** method to print the square of each number.

4. Write a function called **getDoubledValues** that takes an array of numbers as input and uses the **map** method to return a new array with each number doubled.

5. Write a function called **getEvenNumbers** that takes an array of numbers as input and uses the **filter** method to return a new array with only the even numbers.

6. Write an arrow function called **getMax** that takes an array of numbers as a parameter and returns the maximum number in the array using the **reduce** method.