**Assignment - 2** **Frontend/Fullstack Development** **Maven AI Tech**

**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.

**Assignment - 2** **Backend Development** **Maven AI Tech**

**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.