1. **Square the value of every element in the array. Presume that you will only get numbers in the input array.**
   a. Example
      i. Input: -> const input = [1, 2, 3, 4, 5]
      ii. Output: -> [1, 4, 9, 16, 25];
2. **If the given input is an array of numbers, return the sum of all the positive ones. If the array is empty or there aren't any positive numbers, return 0.**
   a. Example :
      input:`const input = [ 1, -4, 12, 0, -3, 29, -150];`
      Output: 42
3. **Find the factorial of**
   a. 3
   b. 5
   c. 4
   d. 10
4. **The following example, which filters out any string which is less than 8 characters**
   `const words = ['Python', 'Javascript', 'Go', 'Java', 'PHP', 'Ruby'];`
5. `Double the value of elements inside the array`
   a. [1, 4, 9, 16, 25]
   b. [21, 0.4, 9, -1.6, 125]
6. `Add suffix to elements inside the array  like if element is 1 made is 1st, if element is 2 made it 2nd if element is 3, made it 3rd, others will have th like 4th, 5th, 90th, 51th`
   a. [1, 4, 9, 16, 25, 2, 45, 3, 0]
   b. [2,1, 0,4, 9, -1.6, 1, 2, 51, 3]
7. `Find the leap year inside the array and create two arrays 1. with all leap years and 2. array without leap year`
   a. [2001, 1994, 1999, 2016, 2025, 2028, 2099, 1992]
   b. [2021, 2004, 2090, 2016, 2125, 2028, 2032, 1972]
8. **Julie loves coding and she knows coding in Python, C++, Java, React and JavaScript. Kindly prepare an array with the above languages for her.**
   `const words = ['Python', 'Javascript', 'Go', 'Java', 'PHP', C++, 'React', 'C', RoR, 'Ruby', Swift, Kotlin, LISP];`

9. **Given an array of numbers, return a new array that has only the numbers that are 5 or greater.**
      [21, 0.4, 9, -1.6, 12, 5, 81, 94, -9]
10. **Given an array of numbers, return a new array that only includes the even numbers.**
    a. [20, 1.4, 92, -1.61, 1.22, 50, 81, 94, -9]

11. **Given an array of strings, return a new array that only includes those that are 5 characters or fewer in length**

    a. `["dog", "wolf", "by", "family", "eaten", "camping"]`

    b. `['Python', 'Javascript', 'Go', 'Java', 'PHP', C++, 'React', 'C', RoR, 'Ruby', Swift, Kotlin, LISP]`

12. Define a function called cleanNames that accepts an array of strings containing additional space characters at the beginning and end. The cleanNames() function should use the array map method to return a new array full of trimmed names. For example:

    a. `cleanNames([" avengers", "   captain_america", "ironman    ", " black panther    "])`

    b. `Output:->`
    `["avengers", "captain_america", "ironman", "black panther"]`

13. **Write a function that converts an array of values from miles to kilometers using the map method. In the end, add the kilometers up in a new variable called "totalDistanceInKilometers" and return this variable.**

    a. `[1,2,3,4,5,6]`

14. Square and sum the array elements using the arrow function and then find the average of the array.

    `let nums = [25, 45, 55, 77, 88, 99];`