Day 3 Task

1. Write a JavaScript function that returns the string with "something" appended with a space " " to the given string value.

2. Javascript program that will return an integer number corresponding to the amount of digits in the given integer num.
   Ex. num_of_digits(1000) ➞ 4
   num_of_digits(12) ➞ 2

3. Write a javascript program that returns `true` if the input string includes the string "ee".

4. JavaScript program to display multiplication tables using user input integer value.
   Ex. User Input: 2
   2 * 1 = 2
   2 * 2 = 4
   ….
   2 * 10 = 20

5. Write a JavaScript function that takes a two-digit number and determines if it's the largest of two possible digit swaps
   Ex:- If we give 43 as user input then it will return false because swapping 43 gives us 34, and 43 > 34.

6. Write a function that mimics (without the use of >>) the right shift operator and returns the result from the two given integers.
   Ex. 80 >> 3 = floor(80/2^3) = floor(80/8) = 10
   -24 >> 2 = floor(-24/2^2) = floor(-24/4) = -6

7. Write a javascript program that takes in a number as a string n and returns the number without trailing and leading zeros.
   Ex. removeLeadingTrailing(""230.000"") ➞ ""230""
   removeLeadingTrailing(""00402"") ➞ ""402""

8. Write a JavaScript function that takes a string and returns the count of vowels contained within it.
   Ex. User Input : Celebration ➞ 5

9. Create a function that moves all capital letters to the front of a word.
   Ex. ""hApPy"" → APhpy""

10. Sort the given string based on ASCII value.

11. Create a function that takes two or more numbers as user input and adds them together to get a new number. The function then repeatedly multiplies the digits of the new number by each other, giving a new number, until the product is returned only 1 digit long. Return the final value.
    EX. User input - ""16 28"" then -- 16 + 28 = 44 after this it will add digits like this --4 * 4 = 16 until it gets only single digit as value-- 1 * 6 = 6

12. Write a Javascript program that takes a number as its argument and returns an array of all its factors.
    Ex. 12 → [1, 2, 3, 4, 6, 12]
        4 → [1, 2, 4]

13. Create a JavaScript function that takes a String value as an input and capitalizes a letter if its ASCII value is even and returns its lowercase version if its ASCII value is odd.
    Ex. User Input: "THE LITTLE MERMAID"
        Output: "THe LiTTLe meRmaiD"

14. Write a JavaScript function that accepts a String with space-separated numbers and returns the highest and lowest number (as a string).
    Ex. User Input : "1 2 3 4 5"
        Output : "5 1"

15. Create a basic calculator using HTML, CSS, and JavaScript with buttons for numbers and basic arithmetic operations.