

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. $80 >> 3 = \text{floor}(80/2^3) = \text{floor}(80/8) = 10$
 $-24 >> 2 = \text{floor}(-24/2^2) = \text{floor}(-24/4) = -6$ "
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. $12 \rightarrow [1, 2, 3, 4, 6, 12]$
 $4 \rightarrow [1, 2, 4]$
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.