Problem 1:

Write program to print the kth digit from last. E.g. input 23617 and k=4 output 3.

Problem 2:

Write program to find sum of all digits. Input 23617 output 2+3+6+1+8=20

(Hint: convert string to array and then use reduce function)

Problem 3:

Write program to find sum of even digits. Input 23617 output 2+6=8.

(Hint: Convert string to array and use map function)

Problem 4:

Write a JavaScript that calculates the squares and cubes of the numbers from 0 to 10.

Problem 5:

Develop and demonstrate JavaScript script that uses functions for the following problems:

1. Parameter: A string

2. Output: The position in the string of the left-most vowel

3. Parameter: A number

4. Output: The number with its digits in the reverse order

Problem 6:

Write a JavaScript program where the program takes a random integer between 1 to 10, the user is then prompted to input a guess number. If the user input matches with guess number, the program will display a message "You WIN" otherwise display a message "Not matched".

Problem 7:

Write a JavaScript program to check whether 10 appears in first or last position of a given array of integers. The array length must be greater or equal to 2.

Problem 8:

Write a JavaScript function that returns a passed string with letters in alphabetical order.

Example string: 'comsats'

Expected Output: 'acmost'