

JavaScript Questions

Questions:

1. What is Scope in JavaScript? Explain with example.
2. What is temporal dead zone in JS? Explain with example
3. What is closure? Explain with example.
4. What is 'use strict' and what is the benefits of using it?
5. What will be the following code output and why?

```
{a: 1} == {a: 1}
```

Problems:

1. Have the function FirstFactorial(num) take the num parameter being passed and return the factorial of it. For example: if num = 4, then your program should return (4 * 3 * 2 * 1) = 24. For the test cases, the range will be between 1 and 18 and the input will always be an integer.

Input: 4

Output: 24

Link: [Click Here](#)

2. Have the function QuestionsMarks(str) take the **str** string parameter, which will contain single digit numbers, letters, and question marks, and check if there are exactly 3 question marks between every pair of two numbers that add up to 10. If so, then your program should return the string true, otherwise it should return the string false. If there aren't any two numbers that add up to 10 in the string, then your program should return false as well.

For example: if **str** is "arrb6???4xxbl5???eee5" then your program should return true because there are exactly 3 question marks between 6 and 4, and 3 question marks between 5 and 5 at the end of the string.

Link: [Click Here](#)

3. Have the function LongestWord(sen) take the sen parameter being passed and return the longest word in the string. If there are two or more words that are the same length, return the first word from the string with that length. Ignore punctuation and assume sen will not be empty. Words may also contain numbers, for example "Hello world123 567"

Link: [Click Here](#)

Projects:

1. Clock (Digital or Analog)
2. Guess a Number Game
3. Weather Application (Optional)