**Task #1**

Write a function – **calculateSum.** It should accept an array of numers and count the sum of this numbers.

console.log(**calculateSum**([1,2,3,4,5])); //15

**Task #2**

Implement a function **isTriangle** that accepts 3 integer values a, b, c. The function should return true if a triangle can be built with the sides of given length and false in any other case. In this case, all triangles must have surface greater than 0 to be accepted.

console.log(**isTriangle**(5,6,7)); //true

console.log(**isTriangle**(2,9,3)); //false

**Task #3**

Implement a function **isIsogram** that accepts the string and return the result whether the string is isogram or not.

An isogram is a word that has no repeating letters, consecutive or non-consecutive. Assume the empty string is an isogram. Ignore letter case.

console.log(**isIsogram**('Dermatoglyphics')); //true

console.log(**isIsogram**('abab')); //false

**Task #4**

Implement a function **isPalindrome** that accepts the string and return the result whether the string is palindrom or not.

A palindrome is a word, number, phrase, or other sequence of characters which reads the same backward as forward, such as *madam* or *racecar*. Assume the empty string is an palindrome. Ignore letter case.

console.log(**isPalindrome** ('Dermatoglyphics')); //false

console.log(**isPalindrome** (abbabba)); //true

**Task #5**

Implement a function **showFormattedDate** which convert the date object to the format `{day} of {month}, {year}`.

console.log(**showFormattedDate**(new Date('05/12/22')));

//'12 of May, 2022'

**Task #6**

Write a function – **letterCount**. It accepts two string arguments and returns an integer of the count of occurrences the 2nd argument is found in the first one. If no occurrences can be found, a count of 0 should be returned.

console.log(**letterCount**("Marry", "r")) // => 2

console.log(**letterCount**("Barny", "y")) // => 1

console.log(**letterCount**("", "z"))  // => 0

**Task #7**

Implement the function **countRepetitions** which count the amount of each element in the array and returns an object, where the property is the array’s element and the value is count, how much time it is in the array.

console.log(**countRepetitions**(['banana', 'apple', 'banana']));

// { banana: 2, apple: 1 }

**Task #8**

Implement the function **calculateNumber.** Given an array of ones and zeroes. You need to convert the equivalent binary value to an integer.

console.log(**calculateNumber**([0, 1, 0, 1])); //5

console.log(**calculateNumber**([1, 0, 0, 1])); //9