



Question-1 Find Max from int Array

Write a function that can find the maximum number from an int Array.

input: `int[] array = {6, 8, 3, 5, 1, 9};` output: `9`

Question-2 Find Factorial

Write a method that returns the factorial number of any given number.

Factorial: Factorial of a non-negative integer, is multiplication of all positive integers smaller than or equal to n. For example, factorial of 6 is $6*5*4*3*2*1$ which is 720.

Question-3 First Unique Character

Write a function that returns the first non-repeated character from a string.

If all characters are repeated return a space character.

EXAMPLE:

Input: `"success"` output: `u`

Explanation: *u and e are non-repeated, u is the first non-repeated character*

Question-4 Frequency of Array Elements

Write a function that takes a String array as parameter and returns a map object that contains each element of array as key and their occurrence counts as value.

For calculating occurrence, array elements should be checked by regarding case sensitivity.

Order is not important.

EXAMPLE:

Input: `{"Apple", "Banana", "apple", "Cherry", "Apple"}`

Output: *returning map elements: {Apple=2, apple=1, Cherry=1, Banana=1}*

Question-5 Array of Digits

How to convert a positive int to an array of digits.

Input: `490` Output: `[4, 9, 0]` (as int Array)