

Question 1:

You are given an integer array `nums`. The unique elements of an array are the elements that appear **exactly once** in the array.

Return *the **sum** of all the unique elements of `nums`.*

Example 1:

Input: `nums = [1,2,3,2]`

Output: 4

Explanation: The unique elements are [1,3], and the sum is 4.

Example 2:

Input: `nums = [1,1,1,1,1]`

Output: 0

Explanation: There are no unique elements, and the sum is 0.

Example 3:

Input: `nums = [1,2,3,4,5]`

Output: 15

Explanation: The unique elements are [1,2,3,4,5], and the sum is 15.

Question 2:

Given an integer array `nums` sorted in **non-decreasing** order, return *an array of **the squares of each number** sorted in non-decreasing order.*

Example 1:

Input: `nums = [-4,-1,0,3,10]`

Output: `[0,1,9,16,100]`

Explanation: After squaring, the array becomes [16,1,0,9,100].

After sorting, it becomes [0,1,9,16,100].

Example 2:

Input: nums = [-7,-3,2,3,11]

Output: [4,9,9,49,121]

Question 3:

Find first non repeated integer in an array.

Example: int[] arr = {2,3,4,2,2,3,5,7}

Output : 4

Question 4:

Given two strings `ransomNote` and `magazine`, return `true` if `ransomNote` can be constructed from `magazine` and `false` otherwise.

Each letter in `magazine` can only be used once in `ransomNote`.

Example 1:

Input: ransomNote = "a", magazine = "b"

Output: false

Example 2:

Input: ransomNote = "aa", magazine = "ab"

Output: false

Example 3:

Input: ransomNote = "aa", magazine = "aab"

Output: true

Question 5:

Letter followed by Digit: Given a string str write a function which will check if the string no letter followed by another letter, and no digit followed by another digit.

For example: 1A3d4s5t

Result : True

Input: A2bb2d4

Result : False