* Problem statement :-

→ We are given two arrays arr1 & arr2. Both the arrays are unsorted.

→ We need to find the intersection of both of these arrays & return it in a new array.

→ The returned array should consists of unique elements.

* Examples :-

nums1 = [1, 2, 2, 1] nums2 = [2, 2]

Output = [2]

nums1 = [4, 9, 5] nums2 = [9, 4, 9, 8, 4]

Output = [4, 9] or [9, 4]

* Brute force approach :-

→ Create an arraylist result.

→ Loop over both the arrays and check if nums1[i] == nums2[i] & the result arraylist consists does not contains nums1[i].

→ If true, then add that element to result.

→ Break the loop once match found.

→ Convert the result arraylist to a normal array & return it.

Time complexity :- $O(m \times n) \approx O(n^2)$

Space complexity :- $O(k)$ where k is the size of the arraylist.

→ We will be getting a TLE on leetcode.

* Using HashSet :-

→ Do this when you have learned about sets.