**Question:**

Intersection of Two Arrays Easy Topics Companies Given two integer arrays nums1 and nums2, return an array of their intersection.

Each element in the result must be unique and you may return the result in any order.

Example 1: Input: nums1 = [1,2,2,1], nums2 = [2,2] Output: [2] Example 2:

**Solution:**

class Solution {

public int[] intersection(int[] nums1, int[] nums2) {

int[] temp = new int[1001];

int count = 0;

for (int num : nums1) temp[num] = 1;

for (int num : nums2) if (temp[num] == 1) temp[num] = 2;

for (int num : temp) if (num == 2) count++;

int[] result = new int[count];

int index = 0;

for (int i = 0; i < temp.length; i++) {

if (temp[i] == 2) result[index++] = i;

}

return result;

}

public static void main(String[] args) {

Solution solution = new Solution();

int[] nums1 = {4,9,5};

int[] nums2 = {9,4,9,8,4};

int[] result = solution.intersection(nums1, nums2);

System.out.print("[");

for (int i = 0; i < result.length; i++) {

System.out.print(result[i] + (i < result.length - 1 ? ", " : ""));

}

System.out.println("]");

}

}