

NAME: _____

TRISECT INSTITUTE**JLAB-S10**

DATE: _____

Job Oriented Java

Task 1	Given two integer arrays as input, create an ArrayList consisting of all the numbers in the two arrays. Print the new ArrayList as well as its size.	
Test Cases	Input	Expected Output
	{1, 2, 25, 30, 35, 51}, {1, 2, 3, 4}	Size=10 1, 2, 25, 30, 35, 51, 1, 2, 3, 4
	{1}, {}	Size=1 1
	{1, 2, 3, 4}, {4, 5, 6, 7}	Size=8 1, 2, 3, 4, 4, 5, 6, 7

Task 2	Given an array of numbers as input, use HashSet to print all the unique numbers in the array. The output can be printed in any order.	
Test Cases	Input	Expected Output
	{1, 3, 5, 7, 9, 4, 7, 11, 9}	1, 3, 5, 7, 9, 4, 11
	{10, 20, 30, 40, 50}	10, 20, 30, 40, 50
	{9, 9, 9, 9, 1, 2, 3, 9}	9, 1, 2, 3

Task 3	Given an array of strings as input. Use HashMap to print all the chars that occur more than 3 times in the array.	
Test Cases	Input	Expected Output
	{"aaaa", "bbb", "cc", "d", "ccde"}	a, c
	{"9810098100", "9810116599"}	9, 0, 1
	{"trisect java master", "java job"}	j
	{"hello"}	

Task 4	Given an array of numbers as input. Create a HashSet of all the duplicate numbers in the array. Also create an ArrayList of all the duplicate numbers from the HashSet. Print the ArrayList.	
Test Cases	Input	Expected Output
	{1, 2, 3, 2, 4, 5, 1, 6, 1}	1, 2
	{1, 1, 1, 1, 1, 1}	1
	{1, 2, 3, 4, 5, 6, 7, 8, 12, 10}	
	{11, 12, 13, 12, 11, 11, 13}	11, 12, 13