

NAME: \_\_\_\_\_

**TRISECT INSTITUTE****JLAB-S9**

DATE: \_\_\_\_\_

**Job Oriented Java**

<b>Task 1</b>	Given an integer array as input. Create an ArrayList of all the numbers which have last digit 5 in them. Print the new ArrayList as well as its size.	
<b>Test Cases</b>	<b>Input</b>	<b>Expected Output</b>
	{10, 20, 25, 30, 35, 55}	Size=3 25, 35, 55
	{5, 500, 15, 40500, 32, 367, 0, 1}	Size=2 5, 15
	{1, 2, 3, 4}	Size=0

<b>Task 2</b>	Given an array of Strings as input, use HashSet to print all the unique chars in the array. The output can be printed in any order.	
<b>Test Cases</b>	<b>Input</b>	<b>Expected Output</b>
	{"hello", "how", "are", "you!!"}	helowaryu!
	{"12", "24", "36", "48", "60", "72"}	12436807
	{"Trisect", "Job Ready Java"}	TrisectJobRadyv

<b>Task 3</b>	Given an array of numbers of input. Find the most frequently occurring number in the array using HashMap. If more than 1 number has the highest frequency, print all the numbers.	
<b>Test Cases</b>	<b>Input</b>	<b>Expected Output</b>
	{10, 20, 30, 20, 40, 50}	20
	{5, 5, 5, 5, 5, 5}	5
	{1, 2, 3, 4, 1, 2, 4, 3}	1, 2, 3, 4
	{6, 8, 10, 12, 8, 14, 16, 10}	8, 10