

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

**TRISECT INSTITUTE****JLAB-S2**

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

**Job Oriented Java**

<b>Task 1</b>	Create a function named sumSquareCube that takes integer n as input and prints the sum of square and cube of n. Use this function to print sum for 2, 9, 11
<b>Expected Output</b>	
12	[because $2^2 + 2^3 = 12$ ]
810	[because $9^2 + 9^3 = 810$ ]
1452	[because $11^2 + 11^3 = 1452$ ]

<b>Task 2</b>	Given an integer array as input. Create two functions named power4 and power5 taking an integer n as input and printing 4 <sup>th</sup> power and 5 <sup>th</sup> power of their respective input. Use these functions to print square and cube of each element from input array.	
<b>Test Cases</b>	<b>Input</b>	<b>Expected Output</b>
	{3,5,8}	4thPower-3=81 5thPower-3=243 4thPower-5=625 5thPower-5=3125 4thPower-8=4096 5thPower-8=32768

<b>Task 3</b>	Given n as input. Print following pattern using For loop.	
<b>Test Cases</b>	<b>Input</b>	<b>Expected Output</b>
	n = 2	**1 **1**2
	n = 4	****1 ****1****2 ****1****2****3 ****1****2****3****4

<b>Task 4</b>	Given a string as input. Print following pattern using For loop.	
<b>Test Cases</b>	<b>Input</b>	<b>Expected Output</b>
	"hello"	#o#l#l#e#h#hello#
	"trisect"	#t#c#e#s#i#r#t#trisect#