TRISECT INSTITUTE | JLAB-S4

Job Oriented Java

Task 1.1	Create a function named isMultipleOf3 that takes an integer n as input and print whether n is a multiple of 3 or not.	
Test Cases	**Input**	**Expected Output**
	15	15:Yes
	7	7:No
Task 1.2	Given an integer array as input. Use isMultipleOf3 function from Task 1.1 to print Yes/No for each element in the array.	
	Input	**Expected Output**
Test Cases	{21,4,12,32,33}	21:Yes 4:No 12:Yes 32:No 33:Yes

Task 2	Given an integer array as input. Remove all numbers divisible by 5 as input (except 0). Replace every 0 with 99. Print this new array as well as its size.	
	Input	**Expected Output**
Test Cases	{10,0,3,4,5}	Size=3 99,3,4
	{0,45,24,98,0,100,110}	Size=4 99,24,98,99

Task 3.1	Create a function named grades that takes marks of a student in one subject as input and prints: • "Grade A" if marks are at least 90 • "Grade B" if marks are at least 75 • "Grade C" if marks secured are at least 40 • "Fail" otherwise	
	Input	**Expected Output**
Test Cases	94	Grade A
	36	Fail
	40	Grade C
	80	Grade B
Task 3.2	Given an integer array as input that represents marks of a student in 5 subjects. Use grades function from Task 3.1 that prints marks of student in each subject.	
	Input	**Expected Output**
Test Cases	{78,75,40,39,99}	Subject#1: Grade B Subject#2: Grade B Subject#3: Grade C

		Subject#4: Fail Subject#5: Grade A

Task 4	Given a string as input. Break the string in two halves and print them in following format. Assume string of even length.	
Test Cases	**Input**	**Expected Output**
	"Java"	va#Java#Ja
	"coding"	ing#coding#cod
	"tool"	ol#tool#to