TRISECT JLAB-P4

Job Ready Java

Task 1	Given n as input. Print following: • 'Hello' if n is divisible by 5 • 'Java' otherwise	
Test Cases	**Input**	**Expected Output**
	n = 15	Hello
	n = 0	Hello
	n = 18	Java

Task 2	Given n as input. For every number from 1 to n: • print 'X' if the number is even • print 'Y' otherwise	
Test Cases	**Input**	**Expected Output**
	n = 2	YX
	n = 5	YXYXY

Task 3	Given n as input. Print the factorial of n. Note: Factorial of n = 1*2*3*4*.....*n [total product from 1 to n]	
Test Cases	**Input**	**Expected Output**
	n = 3	3#Factorial=6
		Explanation: 1 * 2 * 3 = 6
	n = 5	5#Factorial=120
		Explanation: 1*2*3*4*5 = 120

Task 4	Given n as input. Print following pattern using For loop.	
	Input	**Expected Output**
	n = 2	2 21
Test Cases	n = 5	5 54 543 5432 54321

Task 5	Given n as input. Print following pattern using For loop.	
	Input	**Expected Output**
Test Cases	n = 2	1 12 2 21
	n = 4	1

		12
		123
		1234
		4
		43
		432
		4321

Task 6	Given x and y as input. Print all the powers of x from 1 to y i.e. $x^1\ x^2\ x^3\ x^4\ ...\ x^n$	
Test Cases	**Input**	**Expected Output**
	x = 13, y = 2	13#169#
	x = 17, y = 3	17#289#4913