Week 2 Day 1 Lab Coding Challenges

Question 1:

Given 2 numbers in binary form, find the sum of these binary numbers in binary and print the binary form of sum.

Stub Code

```
public class AddBinary {

	public String result(String a, String b) {

		// 4. Your logic here

		return ;
	}

	public static void main(String[] args) {

		// 1. Initialize variables and objects

		// 2. Take user input of 2 binary numbers

		// 3. Call the method result which returns the sum in binary
	}

}
```

Sample Output 1:

Enter binary number a:
10101
Enter binary number b:
1
Sum in Binary: 10110

Sample Output 2:

Enter binary number a:
1111
Enter binary number b:
11
Sum in Binary: 10010

Question 2:

Given an integer number n, identify the roman form of this number and print it. Below is the sample representation of numbers(Integer) to roman numbers.

Number	Roman
1	I
2	II
3	III
5	V
10	X
50	L
100	C
500	D
1000	M
40	XL
90	XC
400	CD
900	CM

Constraints

1<=n<=3999

Sample Output 1:

Enter a Number:
2853
Roman number is:
MMDCCCLIII

Sample Output 2:

Enter a Number:
1496
Roman number is:
MCDXCVI

Stub Code

```
package com.glca.fs.week2.day1.lab;

import java.util.Scanner;

public class IntegerToRoman {

	public String intToRoman(int num) {
```

```
        // 4. Your logic here
    }

    public static void main(String[] args) {

        // 1. Initialize your variables or objects

        // 2. Take user Input

        // 3. Call method intToRoman
    }
}
```