**ROMAN NUMERAL CALCULATOR**

For this kata, you will be creating a library which will allow the addition and subtraction of

Roman numerals. You may limit the amount of development time you spend on this kata to 4

hours. Once your solution ready, please provide an archive (zip, tar, etc.) of your solution

including your Git repository, source, and test code or if you choose to use a service like Github,

provide the URL to your repository.

**The solution will be reviewed for:**

- Test coverage

- Algorithms

- Code structure

- Use of source control - Overall solution

**The environment for this kata is the following:**

- Ubuntu Linux

- The C programming language

- GNU GCC compiler tool chain

- GNU Make

- Check unit testing framework ( https://libcheck.github.io/check/ )

- git

**Roman Numeral rules:**

• Roman numerals consist of the following letters: I, V, X, L, C, D, and M which mean one,

five, ten, fifty, hundred, five hundred and one thousand respectively.

• As we are in Rome there are no such things as decimals or integers, we need to do this

with the strings. An example would be "XIV" + "LX" = "LXXIV" ● Numerals can be

concatenated to form a larger numeral ("XX" + "II" = "XXII")

• If a lesser numeral is put before a bigger it means subtraction of the lesser from the

bigger ("IV" means four, "CM" means ninehundred)

• If the numeral is I, X or C you can't have more than three ("II" + "II" = "IV" not “IIII”)

• If the numeral is V, L or D you can't have more than one ("D" + "D" = "M" not “DD”)

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**Stories**

1. **User Story: Addition**

As a Roman bookkeeper

I want to be able to add two numbers together

So that I can do my work faster with fewer mathematical errors.

1. **User Story: Subtraction**

As a Roman bookkeeper

I want to be able to subtract a number from another

So that I can do my work faster and with fewer mathematical errors.

**This Kata is based on the Roman Numeral Calculator Kata at http://bit.ly/1VfHqlj**

**Please submit your test-driven solution via a public Git repository (github/bitbucket).**