

BBC Coding Kata

Roman Numerals

The purpose of this exercise is not simply to solve the problem; instead, we are interested in how you approach the problem.

Please complete the coding exercise, preferably in a Github repository and then make it available to, or submit the code listing to your email contact at the BBC. Please explain your approach, assumptions made, or caveats to your solution and

Please develop this as you would a piece of production code, with all the functional and non-functional considerations that implies. We are particularly interested in the following:

- **Test Driven Development**
- **Performance**
- **Maintainability**

add these to the Github repository or email. As in a normal development environment, frequent commits to a repository are preferable to a single commit of your final solution.

The problem

We need you to write a programme that converts a number into a Roman Numeral. The application must run in a browser and must be written entirely in PHP, preferably making use of an MVC framework such as Zend Framework.

For example, see the following sample inputs and outputs:

1 = "I"
5 = "V"
10 = "X"
20 = "XX"
3999 = "MMMCMXCIX"

Caveat: Only support numbers between 1 and 3999

For an in-depth description of Roman Numerals, see http://en.wikipedia.org/wiki/Roman_numerals