Roman Numerals

Two separate C# console application projects are created for converting integer number to roman numeral and roman numeral to integer .Also created unit tests using nUnit.

Task 1

A function taking a positive integer between 1 and 3999 (both included) as its parameter and returning a string containing the Roman Numeral representation of that integer

Sample Output

```
********* Convert Integer To Roman Numeral **********
Enter a number between 1 and 3999(both included)
1
Roman equivalent for number is I
Do you want to continue: Y or N
Y
********* Convert Integer To Roman Numeral **********
Enter a number between 1 and 3999(both included)
1000
Roman equivalent for number is M
Do you want to continue: Y or N
Y
********* Convert Integer To Roman Numeral **********
Enter a number between 1 and 3999(both included)
1666
Roman equivalent for number is MDCLXVI
Do you want to continue: Y or N
```

Test Cases

TC01 : Valid integers between 1 to 3999 as input
TC02 : Out of range value less than 1 and greater than 3999 as input

Task 2

A function that takes a Roman Numeral string and returns it's integer value

Sample Output

```
********* Roman Numeral To Integer Conversion *********
Enter the roman numeral to convert
MMXXI
The integer equivalent is 2021
Do you want to continue: Y or N
Y
********* Roman Numeral To Integer Conversion *********
Enter the roman numeral to convert
MMMCMXCIX
The integer equivalent is 3999
Do you want to continue: Y or N
```

Test cases

TC01 : Valid roman numeral between I to MMMCMXCIX as input
TC02 : Invalid characters as input