

Integer to Roman

Question: Given an integer, convert it to a roman numeral

Input is guaranteed to be within the range from 1 to 3999.

Solutions:

```
class Solution:
```

```
    # @return a string
```

```
    def intToRoman(self, num):
```

```
        values = [ 1000, 900, 500, 400, 100, 90, 50, 40, 10, 9, 5, 4, 1 ]
```

```
        numerals = [ "M", "CM", "D", "CD", "C", "XC", "L", "XL", "X", "IX", "V", "IV",  
"I" ]
```

```
        list = ""
```

```
        for i in range(0, len(values)):
```

```
            while num >= values[i]:
```

```
                num -= values[i]
```

```
                list += numerals[i]
```

```
        return list
```

```
Solution().intToRoman(1001)
```