

1. Narrative

The User (Patrik) enters a value (number) from 0 to 3000 and the user's value will be converted into a Roman Numeral number.

For example:

If the user enters a number 1246, the app should display a Roman Numeral of that number which is: MCCXLVI

User enters: 2684

Roman Numeral: MMDCLXXXIV

2. Inner working

// Declare the variables

int number = 0;

int romanNumeral = 0;

// Ask user to input their number

Display message: "Please enter your number";

Input number:

// Convert numbers to Roman Numerals

IF (number = 1)

~~Display~~ ~~message~~ Roman Numeral = I

IF (number = 4)

Roman Numeral = IV

IF (number = 5)

Roman Numeral = V

IF (number = 6)

Roman Numeral = VI


```
if (number = 9)
    roman Numeral = IX;
```

```
if (number = 10)
    roman Numeral = X;
```

```
if (number = 40)
    roman Numeral = XL
```

```
if (number = 50)
    roman Numeral = L
```

```
if (number = 90)
    roman Numeral = XC
```

```
if (number = 100)
    roman Numeral = C
```

```
if (number = 400)
    roman Numeral = CD
```

```
if (number = 500)
    roman Numeral = D
```

```
if (number = 900)
    roman Numeral = CM
```

```
if (number = 1000)
    roman Numeral = M
```

// Display the answer to the user

Display message: "Your ~~name~~ roman Numeral is" + roman Numeral;

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3. Sketch

Please enter your number:
(user enters a number)

Your Roman Numeral is :
(answer)