# 12. Integer to Roman

## SOLUTION IN JAVA

class Solution {

public String intToRoman(int num) {

final int[] values = {1000, 900, 500, 400, 100, 90, 50, 40, 10, 9, 5, 4, 1};

final String[] symbols = {"M", "CM", "D", "CD", "C", "XC", "L",

"XL", "X", "IX", "V", "IV", "I"};

StringBuilder sb = new StringBuilder();

for (int i = 0; i < values.length; ++i) {

if (num == 0)

break;

while (num >= values[i]) {

num -= values[i];

sb.append(symbols[i]);

}

}

return sb.toString();

}

}