Question: https://leetcode.com/problems/integer-to-roman/

Here we maintain two arrays one representing the values and other the roman symbols for those numbers.

We generally take into consideration the number which are power of 10 and multiple of 1, 4, 5, 9.

Because for 1 and 5 we have dedicated symbols but for 4 and 9 we have special combination of symbols.

Now what we do is we check if the number is greater than ith element of value array, if then we divide it by that value and add ith symbol for n times, where n is the quotient and we then set the new value of number as the remainder.

Code:  
class Solution {

public String intToRoman(int num) {

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

String[] strs = {"M","CM","D","CD","C","XC","L","XL","X","IX","V","IV","I"};

String res = "";

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

while(num >= values[i]) {

int z = num/values[i];

while(z>0){

res+=strs[i];

z--;

}

num%=values[i];

}

}

return res;

}

}

Github Link :<https://lnkd.in/ecwtJeaz>