

Marwadi University Faculty of Technology

Department of Information and Communication Technology

Sem: 6 Name: Pushti Depani

Day: 147 Date: 14/3/2023 Enrollment No: 92000133018

CP Club 365 Days Challenge

<u>Programming language</u> – Any language

Problem Statement

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

Your Code:

```
class Solution {
public:
    string intToRoman(int num) {
           string a[] = {"M", "CM", "D", "CD", "C", "XC", "L", "XL", "X", "IX", "V", "IV", "I"};
    // int b[] = \{1000,900,500,400,100,90,50,40,10,9,5,4,1\};
    // string c = "";
    // for(int i=0;i<13;i++){
    //
            if(b[i]<=num){</pre>
    //
                     c = c+a[i];
    //
                     num=num-b[i];
    //
                 }
    // }
    // for(int k =1;k<=num;k++)</pre>
        c = c + "I";
    // return c;
    // }
        string a="";
            while(num>0)
            {
                 if(num>=1000)
                     num-=1000;
                     a+="M";
                 else if(num>=900)
                     num-=900;
                     a+="CM";
                 else if(num>=500)
```



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```
num-=500;
    a+="D";
}
else if(num>=400)
{
num-=400;
   a+="CD";
else if(num>=100)
num-=100;
    a+="C";
}
else if(num>=90)
{
num-=90;
   a+="XC";
else if(num>=50)
{
num-=50;
   a+="L";
}
else if(num>=40)
{
num-=40;
   a+="XL";
}
else if(num>=10)
{
num-=10;
   a+="X";
}
else if(num>=9)
num-=9;
    a+="IX";
}
else if(num>=5)
num-=5;
    a+="V";
else if(num>=4)
```



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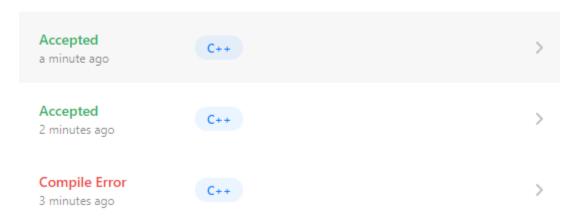
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```
{
    num-=4;
    a+="IV";
}
    else
    {
        num-=1;
        a+="I";
    }
}
return a;
}
```

Output (Screen Shot):



Understanding about problem:

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST

Team CP Club