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print("Roman numeral to Integer Calculator.")

#Defining a function to convert roman numerals into integers.

def romanToInt(s):

    roman =
    {'I':1,'V':5,'X':10,'L':50,'C':100,'D':500,'M':1000,'IV':4,'IX':9,'XL':40,'XC':90,'CD':400,'CM':900}
    #All possible Values

    i = 0

    num = 0

    while i < len(s):

        if i+1<len(s) and s[i:i+2] in roman:

            num+=roman[s[i:i+2]]

            i+=2

        else:

            num+=roman[s[i]]

            i+=1

    return num

while True:

    x = input("Enter an number in Roman Numeral(in capital letters): ")

    print("Value in integer is=",romanToInt(x))

#Asking user whether he wants another calculation.

    choice = input("Do you want next calculation?(YES/NO)")

    if choice == "YES":

        continue

    else:

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print("Thank you!")
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break
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