import java.util.\*; // Program to conver decimal to Roman numbers

public class Roman // Class Name

{

static Scanner sc = new Scanner(System.in);

int n; // Data Member

String str;

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

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

public Roman() { // Default Constructor

str="";

n=0;

}

public int input() { // Member Function

System.out.print("Enter a number within 4000: ");

n=sc.nextInt();

return(n);

}

public void roman(int num)

{

int i,j; // local Variable

if(num<=4000) {

for(i=0;i<13;i++)

{

while(num>=Decimals[i])

{

num = num-Decimals[i];

str=str+RomanNum[i];

}

}

show(); // Print method call.

} else {

System.out.println("Invalid Input! ");

}

}

public void show() { // Member Function

System.out.print("Roman Equivalent: "+str);

}

public static void main() // MAin Method

{

Roman obj = new Roman();

int x = obj.input(); // receving the integer from Member

// function call

obj.roman(x);

}

}