

## ConvertRoman.java

```
1  import java.util.Scanner;
2  class ConvertRoman
3  {
4
5      public static void main(String[] args)
6      {
7          Scanner scan=new Scanner(System.in);
8          System.out.println("enter your Roman in capital ex: IXLCDM");
9          String romanNumeral =scan.next();
10         int result = romanToInt(romanNumeral);
11         System.out.println("Roman numeral: " + romanNumeral);
12         System.out.println("Integer value: " + result);
13     }
14
15     public static int romanToInt(String s) {
16         int result = 0;
17         int prevValue = 0;
18
19         for (int i = s.length() - 1; i >= 0; i--) {
20             char c = s.charAt(i);
21             int value;
22
23             switch (c) {
24                 case 'I':
25                     value = 1;
26                     break;
27                 case 'V':
28                     value = 5;
29                     break;
30                 case 'X':
31                     value = 10;
32                     break;
33                 case 'L':
34                     value = 50;
35                     break;
36                 case 'C':
37                     value = 100;
38                     break;
39                 case 'D':
40                     value = 500;
41                     break;
42                 case 'M':
43                     value = 1000;
44                     break;
45                 default: System.out.println("enter valid Roman Number");
46                     value = 0;
47             }
48
49             if (value < prevValue) {
50                 result -= value;
51             } else {
52                 result += value;
53             }
54         }
55     }
56 }
```

```
54  
55         prevValue = value;  
56     }  
57  
58     return result;  
59 }  
60 }  
61  
62  
63
```