```
1
     //Roman.java
                     MrG 2018.0314
 2
     public class Roman extends Object implements Comparable<Roman>
 3
 4
         private int num;
 5
 6
         public Roman(int num)
 7
 8
             this.num = num;
 9
         }
10
11
         public int getNum()
12
13
             return num;
14
         }
15
         public int compareTo(Roman other)
16
17
18
             return this.getNum()-other.getNum();
19
         }
20
21
         public boolean equals(Object other)
22
23
             Roman temp = (Roman) other;
24
             return temp.compareTo(this)==0;
25
         }
26
27
         public String toString()
28
29
             String temp="";
30
31
             int ones = num%10;
32
             int tens = num/10;
33
34
             if(tens==1){temp+="x";}
35
             if(tens==2){temp+="xx";}
             if(tens==3){temp+="xxx";}
36
37
             if(tens==4){temp+="xl";}
38
             if(tens==5){temp+="l";}
             if(tens==6){temp+="lx";}
39
             if(tens==7){temp+="lxx";}
40
41
             if(tens==8) {temp+="lxxx";}
             if(tens==9){temp+="xc";}
42
43
44
             temp+=" ";
45
```

```
46
             if(ones==1){temp+="i";}
             if(ones==2){temp+="ii";}
47
48
             if(ones==3){temp+="iii";}
49
             if(ones==4){temp+="iv";}
             if(ones==5){temp+="v";}
50
51
             if(ones==6){temp+="vi";}
52
             if(ones==7){temp+="vii";}
53
             if(ones==8) {temp+="viii";}
54
             if(ones==9){temp+="ix";}
55
56
             return temp;
57
         }
58
59
         public Roman add(Roman other)
60
61
             return new Roman(num+other.getNum());
62
63
64
         public Roman sub(Roman other)
65
66
             return new Roman(num-other.getNum());
67
         }
68
69
         public Roman mul(Roman other)
70
71
             return new Roman(num*other.getNum());
72
         }
73
```