

```
1  //ROT13.java    MrG    2018.0131
2  public class ROT13
3  {
4      private String textIn;
5      private String textOut;
6
7      public ROT13(String s)
8      {
9          textIn = s;
10         textOut = "";
11
12         for(int i=0; i<textIn.length(); i++)
13         {
14             textOut += encrypt(textIn.charAt(i));
15         }
16     }
17
18     public String toString()
19     {
20         return textOut;
21     }
22
23     private char encrypt(char ch)
24     {
25         if(Character.isUpperCase(ch))
26         {
27             return (char)((ch-'A')+13)%26+'A';
28         }
29
30         if(Character.isLowerCase(ch))
31         {
32             return (char)((ch-'a')+13)%26+'a';
33         }
34
35         return ch;
36     }
37 }
```