

Translator.java

```
1 package game;
2
3 import java.io.FileInputStream;
4
5
6
7
8
9 public class Translator {
10     private String language;
11     private Properties languageProperties;
12
13     public Translator(String language) {
14         super();
15         this.setLanguage(language);
16         //Load properties from file
17         languageProperties = new Properties();
18         try {
19             InputStream inputStream = new FileInputStream("src\\" + language
20 + ".properties");
21             languageProperties.load(inputStream);
22             inputStream.close();
23         } catch (FileNotFoundException e) {
24             // TODO Auto-generated catch block
25             e.printStackTrace();
26         } catch (IOException e) {
27             // TODO Auto-generated catch block
28             e.printStackTrace();
29         }
30
31         //translates String to String
32         public String translate (String orgString){
33             return languageProperties.getProperty(orgString, orgString);
34         }
35
36         //Translates a String [] to String [] in selected language
37         public String[] translate (String[] orgStringArray){
38             String[] translatedStringArray = new String[orgStringArray.length];
39             for (int i = 0; i < orgStringArray.length; i++) {
40                 translatedStringArray[i] = translate(orgStringArray[i]);
41             }
42             return translatedStringArray;
43         }
44
45         public String translateConcat (String[] orgStringArray){
46             String[] translatedArray = translate(orgStringArray);
47             //Concatenate strings from String Array
48             StringBuilder builder = new StringBuilder();
49             for (String string : translatedArray){
50                 builder.append(string);
51             }
52             return builder.toString();
53         }
54     }
55 }
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```
54     public String getLanguage() {
55         return language;
56     }
57
58     public void setLanguage(String language) {
59         this.language = language;
60     }
61     //Test driver
62     public static void main(String[] args){
63         Translator testTranslator = new Translator("danish");
64         System.out.println(testTranslator.translate("Price"));
65         System.out.println(testTranslator.translate("theKingsBirthday"));
66         String[] testStringArray = new String[] {"testString",
67 "theKingsBirthday"};
68         testStringArray = testTranslator.translate(testStringArray);
69         System.out.println(testStringArray[0] + testStringArray[1]);
70         System.out.println(testTranslator.translateConcat(testStringArray));
71     }
72
73 }
74
```