

Specs for FunnyWord

Write a public class call FunnyWord.

class FunnyWord must have a main method.

what it does:

- 0. prompt user for a String
- 1. read a String from the user
- 2. print whether the String is funny or not
- 3. continue until user enters the word "end"

The String is funny if it looks the same read from left to right or right to left.

You could use a loop to drive the program (i.e. keep asking user for a String until they enter "end"). You could use another loop to go through the string entered character by character.

In order to pass all tests you must find funny phrases when the following characters are ignored:

. , ! ? :

ignore also spaces.

Ignore case also. So the following sentence is funny:

A. nn: a!

HINT: here are some methods of String you may find useful:

toLowerCase(): returns another String in lower case

length(): gives you the length of the String

you can build a String character by character this way:

```
char c;
String rr;
```

```
rr = rr + c; //adds the c at the end of rr
```

Notice: you cannot use any method called "reverse". That is considered forbidden knowledge.

Examples

```
% java FunnyWord
Enter a String: Anna
funny!
Enter a String: AnnA AnnA
funny!
Enter a String: A man, a plan, a canal: Panama.
funny!
Enter a String: foo
that is not funny
Enter a String: Annax
that is not funny
Enter a String: end
that is not funny
```

