

Extra Credit - 10 points

Write a Java program with a user-define method to detect if a String object is a palindrome.

A palindrome is a grouping of letters that when normalized it is the same backward and forward. Some examples of palindromes are:

Race car.

A man. A plan. A canal. Panama.

Able was I, ere, I saw Elba.

Damn! I, Agassi, miss again! Mad!

Normalization involves making something regular and consistent which in this case would involve removing the punctuation and whitespace and converting to a single character case. This project can be achieved without going to such lengths as long as we are able to keep track of two index values within the String object beginning at each end of the String.

You will write a value returning method **isPal()** which takes a **String** argument and returns a **boolean** value. A form of normalization will be imposed on the data without actually changing it. Punctuation should simply be ignored and letter comparisons should not be case sensitive such that the above examples will pass.

Within the **main()** method read strings from the user until EOF. With each string call the **isPal()** method you've created and report the findings for each string.

This project should be called **ec1.java** and submitted using:

```
$ submit jojo ec1.java
```