Revised Project 1.1.6 Chatting with Magpie Part 2

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Subtarget 2.1: Extend the functionality of Magpie chatbot while exploring concepts in Natural Language Processing using Java classes and String methods.

1. Complete Magpie Student Guide *Activity 2: Introduction to the Magpie Class.* This file is located in our folder for this project. Open it up and follow along. I'll only expect written responses on these pages, but you do need to follow the activities on the AP Student Guide as part of these activities. As you complete the exercises, the guide will pose questions. Record your answers below.
    a. Copy or extract the project files in *1.1.6MagpieActivity2_StarterCode_BlueJ* to your *BlueJProjects* folder. Open the project in BlueJ and compile.

       Done.

    b. Answer questions from the activity here. How does it respond to:
        - My mother and I talked last night.
          Tell me more about your family.
        - I said no!
          Why so negative?
        - The weather is nice.
          Interesting, tell me more.
        - Do you know my brother?
          Why so negative?

    c. Complete the **Exploration**.
       (Here's a link to the interactive Python tutorial on Activity 2: http://interactivepython.org/runestone/static/JavaReview/Labs/magpie2.html)

       Done.

    d. Complete the **Exercises**, altering your code as instructed. Fill in the keywords and responses below.

Keyword	Response
"no"	**Why so negative?**
"mother" | "father" | "sister" | "brother"	**Tell me more about your family.**
"cat" | "dog"	**Tell me more about your pets.**
"Mr." | "Mrs." | "Ms."	**He/She sounds like a good teacher.**

e. What happens when more than one keyword appears in another word? Consider the string “My mother has a daughter but no cat periods”. Explain how to prioritize responses in the reply method.

Magpie would return “Why so negative?” Because code is run from top to bottom. If a keyword is found it prints the respective output. Therefore only the first keyword is read.

f. What happens when a keyword is included in another word? Consider the string “I know all the state capitals” and “I like vegetables smothered in cheese”. Explain the problem with the responses to these statements.

The code is looking only of “no” and because the statements above contain “no” within a word the results are not useful.