Magpie Project Task #3 Better Keyword Detection

1. Read the API for the String class. What value is returned by indexOf if the substring does not occur in the string?

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2. Provide a screen shot here of the updates made to the StringExplorer class that uses both versions of the indexOf method. Provide screen shots of the code and evidence that your chatbot responds as intended.

3. Experiment with code as directed in the Exploration Section of Activity 3. Complete the table below to demonstrate you can trace the code.

findKeyword(“I know nothing about snow plows”, “no”, 0);

|  |  |  |  |
| --- | --- | --- | --- |
| Iteration | psn | before | after |
| 1 | 3 | ‘k’ | ‘w’ |
| 2 | 7 | ‘ ‘ | ‘t’ |
| 3 | 20 | ‘s’ | ‘w’ |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

4. Complete the code changes detailed in the Exercises section of Activity 3. Provide enough screen shots to show you made all the changes and your chatbot responds as intended.

1. The following changes would have been made:
2. Have it respond to "Tell me more about your pets."
3. Have it respond favorably when it sees the name of your teacher.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 50-59% | 60-69% | 70-79% | 80-89% | 90-100% |
| At least one of the modifications were attempted. Chart has no correct entries. | Less than half of the modifications were attempted. Chart has some correct entries. | Most modifications were attempted. Chart has most of the entries. | All required modifications were attempted. Chart is complete and mostly correct. | All required modifications were made as directed. Chart is correct, thorough and complete. |

1. Have the code check that the statement has a least one character.
2. Add a two noncommittal response to the random responses.
3. Pick three more keywords to add to the getResponse method. 