Quiz 2 (CS1573) - NLP

1. List 4 categories of knowledge about language that are required for human-like language understanding.
   - Phonetics and Phonology
   - Morphology
   - Syntax
   - Semantics
   - Pragmatics
   - Discourse

2. What has Eliza contributed research-wise to natural language processing?
   See Jurafsky and Martin Chapter 1, page 7-9. “…Eliza was an early natural language processing system capable of carrying out a limited form of conversation with a user…”

3. Write a regular expression to match sentences where the first word of the sentence is a pronoun (I, you, he, she, it, we, they) and the next word is the correct present-tense form of "to be" (e.g., am, are ...). Thus your regular expression should match sentences like "She is happy." but should not match sentences like "She are happy."
   /\w\w\w I\w\w\w /([yY]ou\w\w\w)\w\w\w /([tT]hey)\w\w\w /([hH]e\w\w\w)\w\w\w \w\w\w /([a-z]*)\w\w\w\w /