

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 o 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."
 - ✚ `/I_ am_ | ([yY]ou|[wW]e|[tT]hey) _are_ | ([hH]e|[sS]he)_is_ /[a-z]*!./`