Chapter 8 Exercises

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Get Started

- Create a Jupyter notebook with the following items. You should upload a compiled version of the notebook in html or pdf format.
- Remember, use Markdown cells to answer text questions. Paste the questions into the cells so it's clear what you are answering.
- Be sure to answer all the questions! Also be sure you are answering the questions posted, not an old answer from GitHub or Stack Overflow.

Creativity

- Create a sentence that you think has never been said before.
- Creativity is a distinct problem for parsing sentences - why?

Parsing

- Use the `grammar1` definition to parse several new sentences.
    - New sentence: "The dog ate the food."
    - New sentence: "The dog walked by the cat in the park."
    - Use the `RecursiveDescentParser` and `ShiftReduceParser`.
    - Do either one of these give you an error?
- A famous sentence in linguistics includes `The horse raced past the barn fell`. Try to parse this sentence on your own - for each word, list the phrase and type of word.
    - Why are ambiguous sentences like this one difficult for humans and for computers to understand?