

Chapter 9 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.

Feature Grammar

Write a feature grammar that can correctly process the following issues:

- Includes the verb *go* with all forms: *go*, *goes*, *went*, *gone*, and *going*
- Matches agreement with the noun phrase: *I*, *you*, *he*, *we*
- You can use the example from the book as a place to start, but it should only include the word set below.

There are other forms of conjugation for *go*, but your grammar should be able to correctly match these combinations:

- I go to the store.
- I am going to the store.
- I have gone to the store.
- I went to the store.
- You go to the store.
- You are going to the store.
- You have gone to the store.
- You went to the store.
- He goes to the store.
- He went to the store.
- He has gone to the store.
- He is going to the store.
- We go to the store.
- We are going to the store.
- We have gone to the store.
- We went to the store.

Test

After you write the grammar, import it as a string and test it on at least four of the above sentences. Use <http://www.nltk.org/howto/featgram.html> to help you perform this task (the top example shows you the steps).