

Lab Sheet for NLP, Part 4/5**Task 1**

Download the example grammar `simple-sem.fcfg` from NLTK's GitHub site. Copy code from the slides and/or chapter 10 of the NLTK book into your Python environment to translate the sentence "Angus hears a cat" into first order logic and evaluate its truth. In order to do this, you should add entries for the transitive verb "hear", the noun "cat", and the proper noun "Brutus" to the grammar. Because we want this sentence to be true, you will also have to add an individual Brutus to the domain model, state there that Brutus is a cat, add a relation "hear" to the domain model, and state that Angus and Brutus are in that relation.