

Question 1

Study the sample solutions to Assignment 2. Write a lexicon and a set of rules that would generate the fragment of English that can be constructed by using the following items.

- (1)
- a. Verbs: love, loves;
 - b. Pronouns: he, him, she, her;
 - c. Proper names: John, Mary;
 - d. Preposition: of (as used in *every cat of Mary* or, *all cats of the dog*).
 - e. Nouns: cat, dog, cats, dogs;
 - f. Determiners: every, the, all

Notes:

- Ignore expressions like *all the cats*

As usual your grammar should be able to derive grammatical sentences that can be constructed with these items, and it should be unable to derive ungrammatical ones.