Exercises 6 (Syntactic analysis)

6A. *(Fun syntactic analyser)*

Show the token stream that the lexer should produce from the source program of Exercise 5A.

6B. *(Mini-English recursive-descent parser)*

Outline a recursive-descent parser for mini-English, starting from the grammar in the course notes (slide 1-22). The parser's input is to be a stream of tokens, where each token has tag A, CAT, I, MAT, ME, RAT, SEE, SEES, SMELL, SMELLS, THE, or FULLSTOP.

For example, the sentence() parsing method should be:

```
void sentence () {
   subject();
   verb();
   object();
   match(FULLSTOP);
}
```

Your outline need not show the conditions controlling the if and while commands in the parsing methods.