Topic: Parser

1. Write, compile and run the program for recursive descent parser that can be found from page 204 to 207 of the text book (ninth edition). It is a continuation of the previous code on lexical analyser.

   The code can also be found at http://metalab.uniten.edu.my/~hazleen/CSEB314/Lab/parser.c

2. Derive a valid sentence from the grammar defined in the code. Then, draw a parse tree for the derived sentence.

3. Feed the same sentence in derived in 2. above to your parser. Verify that the traces produced by the parser is the same as the parse tree produced in 2.

Submit the following:

1. The derived sentence (different for each person of course!)
2. Parse tree for the sentence.
3. Printout of the program that shows the trace of the derived sentence.

by 5 p.m. Friday, 18th November 2011.