Lab Assignment 4

1. Consider the following program, which is intended to define the third argument to be the maximum value of the first two numeric arguments:

   max(X,Y,X) :- X >=Y, !.
   max(X,Y,Y).

   a) Find a question to show that the above rule is incorrect
   b) Explain the cause of the error and suggest the correction

2. Write a Prolog rule to reverse a list L into a list L1, using an intermediary list R that is initially empty.

3. Implement a rule that computes the factorial on N using an accumulator.