

Assignment 2

1. Construct a matrix using *linked lists*. The matrix should be read from a file, which will be in the format, for an example 3X3 matrix:

a11,a22,a33;a21,a22,a33;a31,a32,a33

This is an example, the matrix can be of any size. For this matrix, determine whether it is

- a square matrix
 - symmetric matrix (a square matrix that is equal to its transpose).
2. Read two matrices from files into linked lists, and multiply the two matrices.

Note: all operations, except reading from the file should be done on the linked lists only.