CS110: Computing Lab
Department of CSE
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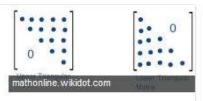
Module 02 Stage 02 Exercise 06

Write a program that reads elements of a 5*5 matrix in 25 variables declared as `double`. These values will be provided as 5 lines of 5 numbers each.

The program must determine if the read matrix is upper triangular, lower triangular or diagonal matrix.

Finally it prints the matrix in neatly aligned form and the message indicating its characteristic.

If you need any definition, I have accessed web for the following information:

Similarly, a square matrix is called **upper triangular** if all the entries below the main diagonal are zero. A **triangular** matrix is one that is either lower **triangular** or **upper triangular**. A matrix that is both **upper** and lower **triangular** is called a diagonal matrix.

Triangular matrix - Wikipedia
https://en.wikipedia.org/wiki/Triangular_matrix