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CL249 – Computational methods Lab
Assignment 2 : Solution of system of linear eqn

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Q1. Solve the given $Ax = B$ problem using Gauss-Elimination with pivoting and diagonal dominant part. Put a counter in the program to count the total number of operations done (+, −, *, /). Finally, plot the value of x using plot(x).

Q2. Write two modular code. In main code, read matrix A from data file and call Gauss elimination code. In that code, matrix A and B are taken as input and x is provided as output. Gauss elimination code should have portion of pivoting and largest diagonal element.