# Assignment Number: 5-c-1

# Problem Statement:

Find the solution for x in equation Ax=B, where A= and B= Create a function

which will consists matrix A and B as input arguments and x will be the output argument.

# Inputs:

* Read two matrix A and B

# Outputs:

* Solution for x in equation (Ax=B)

# Pseudocode:

* Create a function with 1 output and 2 input arguments
* Take the input of two matrix A and B
* Calculate the solution of the matrix using the equation

Ax = B

* stop

# Program: l\_eqn.m

% script file : l\_eqn

% objective :

% to calculate the solution of a linear equation using matrix

% record of revision :

% DATE PROGRAMMER DESCRIPTION OF CHANGE

% ======== ============= ====================

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% define variable :

% x-solution of the linear equation

%A-first matrix

%B-second matrix

function[x]=l\_eqn (A,B)

x=A\B;

end

# Test Results:

>> l\_eqn([1 2 1;2 3 2;-1 0 1],[1;1;0])

ans =

-0.5000

1.0000

-0.5000