

# MATLAB Lab 1 – Practice Tasks

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1. Create a row vector containing the elements 1, 2, 3, 4, 5.
2. Create a column vector containing the elements 1, 2, 3, 4, 5.
3. Create a 2x2 matrix with any values of your choice.
4. Create a 3x3 identity matrix (use function).
5. Create a 2x3 matrix filled with zeros (use function).
6. Create a 3x2 matrix filled with ones (use function).
7. Store a calculation result without displaying it in the command window.
8. Create two matrices A (3\*4) and B (3\*4), and perform element-wise multiplication and store it in variable C.
9. Create two matrices D (4\*3) and E (3\*5), and perform matrix multiplication.
10. Perform element-wise division between two matrices (use matrix A and B).
11. Use 'who' command to display current variables in the workspace.
12. Clear all variables and clear the command window.
13. Create a diagonal matrix from a vector of your choice (use function).