

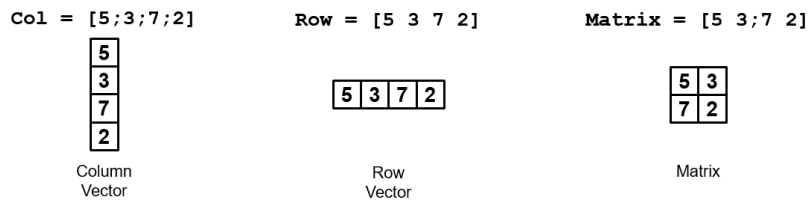
MATLAB Vocabulary

MATLAB – Programming language used by engineers and scientists around the world to analyze and model applications, such as Mars rover, airplanes, playing music, medical imaging and many more.

Command Window – The writing area in MATLAB that has the “>>” prompt. Single line commands can be executed directly from here.

Workspace – The area that contains all the variables created and stored in memory during a MATLAB session.

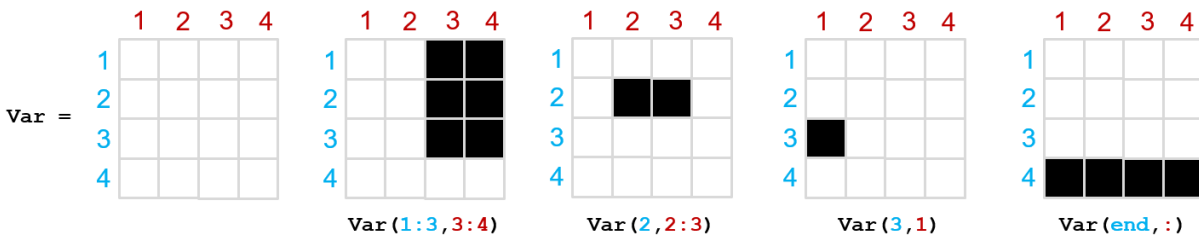
Numeric arrays – a list of numbers. The arrays are created within brackets [].



Character Arrays – a word or sentence is considered an array of characters, which can be created using single quotes ‘ ’.

E.g. >> charArray = 'I love MATLAB'

Indexing –Extracting values from an array using parenthesis ().



Function – A command that accepts inputs, performs a task based on the inputs provided, and generates an output.

Output = function(Input1, ..., InputN)

Script – A program file that executes a series of MATLAB statements one after the other.

For loop – Executes a block of code repeatedly for a specific number of times (e.g., the following executes 10 times). E.g. for k = 1:10 ... end

Adding and Concatenating matrices

