MATLAB is a proprietary multi-paradigm programming language and numeric computing environment developed by MathWorks. MATLAB allows matrix manipulations, plotting of functions and data, implementation of algorithms, creation of user interfaces, and interfacing with programs written in other languages

To define function

Function [results] = funName (parameters)

… function code

end

// we should make the name of the file of the function the same as the name of the function to be able to use it

If function returns more than one argument

[f, u] = add (5, 9)

The folder my document / mat lap 🡪 is a global folder of the mat lap any file or data in it can be accessed in anywhere working with mat lap

To define class in mat lap

classdef class name

//we can define functions inside classes

Properties // we define parameters before functions

end

methods ( static) // we define functions inside it

Function res = sum (a , b)

res = a + b ;

end

end

end // the end of class

We save the class file with the class name

We can call function in class by className.funcName