Create Scripts

Scripts are the simplest kind of program file because they have no input or output arguments. They are useful for automating series of MATLAB® commands, such as computations that you have to perform repeatedly from the command line or series of commands you have to reference.

You can open a new script in the following ways:

* Highlight commands from the Command History, right-click, and select **Create Script**.
* Click the **New Script** http://www.mathworks.com/help/matlab/matlab_prog/new_script_ts_16.png button on the **Home** tab.
* Use the edit function.

This code opens the file *file\_name*:

edit *file\_name*

If *file\_name* is unspecified, MATLAB opens a new file called Untitled.

For example, suppose you save this code that generates random numbers between 0 and 100 as a script callednumGenerator.m:

columns = 10000; rows = 1; bins = columns/100; rng(now); list = 100\*rand(rows,columns); hist(list,bins)

You can run the code in numGenerator.m using either of these methods:

* Type the script name numGenerator on the command line and press **Enter**
* Click the **Run** http://www.mathworks.com/help/matlab/matlab_prog/run_ts_16.png button on the **Editor** tab

When execution completes, the variables (columns, rows, bins and list) remain in the MATLAB workspace. To see a listing of variables, enter whos at the command prompt. Scripts share the base workspace with your interactive MATLAB session and with other scripts.