

How to Do Lab Assignments

Note: Replace N by the lab number (1, 2, 3,...)

1. Type in your MATLAB program

- a) Click on the **MATLAB R2019b** icon
- b) Click on the **New** icon (the **+** sign)
- c) Click on **Script**
- d) Click on **Save**
- e) Click on **Save As**
- f) In the **File name** box near the bottom of the window,
 - 1) Type **LabN** if the lab has only 1 program, where N is the lab number.
 - 2) Type either **LabNa** or **LabNb** if the lab has 2 parts, a and b, where N is the lab number.
 - 3) Type either **LabNa**, **LabNb** or **LabNc** if the lab has 3 parts, a, b and c, where N is the lab number.

For example, for Lab 1, N is 1 and it has 2 parts, a and b, so type either **Lab1a** or **Lab1b**.

For Lab 2, N is 2 and it has only 1 program so type **Lab2**.

- g) Click on the **Save** box
- h) Type in your MATLAB program in the **Editor** window
- i) Save your MATLAB program (click on the **Save** icon)

2. Type in your MATLAB function

NOTE: SKIP THIS STEP IF THE PROGRAM DOES NOT HAVE A USER-DEFINED FUNCTION (Lab 1 has a user-defined function named **newton**, so do this step for Lab 1).

- a) Click on the **New** icon (the **+** sign)
- b) Click on **Script**
- c) Click on **Save**
- d) Click on **Save As**
- e) In the **File name** box near the bottom of the window, type the name of your MATLAB function (**for Lab 1, type **newton****)
- f) Click on the **Save** box
- g) Type in your MATLAB function in the **Editor** window
- h) Save your MATLAB function (click on the **Save** icon)

3. Run your MATLAB program

- a) Make sure that your MATLAB program (not your MATLAB function) is displayed in the Editor window before you click on the Run icon
- b) Click on the **Run** icon (a green triangle)
- c) Your output will appear in the MATLAB **Command Window**