

WESTERN SYDNEY
UNIVERSITY



Module 1

Script Formatting

Comments in programs

- Every time you write a program to be saved, it is helpful for you to **comment** (i.e. label) it well.
- To insert a comment on a line in the editor or in the Command Window, use the comment operator **%**, then type your comment.
- MATLAB:
 - will not run lines that begin with the comment operator (**in the editor comments appear in green**).
- Comments
 - Comments allow you (and others) to more easily read and understand your program.
 - When your lines of code are easy to understand, your code will be easier to use later.

Art of well-written code

- A well-written program contains comments explaining:
 - what your program requires as input
 - what the variables in the program represent
 - what your program computes and displays
- It is useful for you to add a set of header comments that include the name of the program, your name (as the programmer), and the date the program was created or modified.

Creating sections

- A section in MATLAB allows your code to be grouped together to focus on one part at a time
- To create a section two percentage signs %% (followed by a space) should be placed where you want the section to begin
- An optional section title can be added by adding text after the %%
- Allows you to evaluate (run) code one-section at a time instead of evaluating the entire script

Formatting strategies

- ... (ellipsis or dot dot dot) placed at the end of a line allows the current command to continue on the next line
- White space (space, tab indentation, newlines etc.) can separate your code and make it easier to read
- Using comments and sections where necessary