MATLAB
Flow control: if-then

What is flow control?
• Flow control refers to how you tell Matlab which lines of code to execute, and how many times.
• Ordinarily, Matlab executes code from top to bottom, line-by-line (skipping over any comments indicated by the %)

Order of evaluation
• Ordinarily, Matlab executes code from top to bottom, line-by-line

If-then statements
• In Matlab, you might have a line or lines of code that you only want executed if a condition is met.
• Example: If temperature is greater than 100, then print a warning to the screen.

If-then-else statements
• Another way to get the same result is to add an else clause to the if-then statement:

If-then-elseif statements
• The last variant in Matlab is the elseif clause, where you can specify lines of code to be evaluated if the first clause is false, but the elseif is true:

Review
1. if, end, else, and elseif are reserved keywords in Matlab. Don’t use them for variable or function names!
2. Using Boolean operators and if-then statements, we can control which lines of code Matlab will see.