

# Introduction to MATLAB

- ▶ NEF1104 – Problem Solving for Engineers
  - ▶ Week 1: Session 2

# Exercises

- **Task 1:** create a variable A which has a 3x5 matrix of random values ranged 0–10.
- **Task 2:** create a variable B which has the square value of each element in A.
- **Task 3:** create a variable C which has the result of each value in A divide by each value in B.
- **Task 4:** find out if all the values in A are greater than 1 and save the T/F decision in Atf.
- **Task 5:** find out if any value in B is equal to 0 and save the T/F decision in Btf.
- **Task 6:** find out which values in C are less than or equal to 0.5 and save the results in Cf.

- **Task 7:** create a variable D which has 100 values that are evenly spaced between 0–50.
- **Task 8:** find the first number in D that is greater than 5 and save the result in D5.
- **Task 9:** what is the index of D5? save the result in D5idx.
- **Task 10:** find the first number in D that is greater than 10 and save the result in D10.
- **Task 11:** save all the numbers from D5 to D10 in D into a variable Drange.