1-1 Advantages of MATLAB

1. Ease of use
   - interpreted language - easy & suitable for rapid prototyping
   - Suite of development tools

2. Platform independent
   - supported on many different computer systems
   - programs can be migrated

3. Predefined Functions
   - extensive library of predefined functions
   - Toolboxes for specialized areas
   - Robust & latest algorithms

4. Device Independent Plotting. - Many integral plotting & imaging commands.

- Plots & images can be displayed on any graphical output device supported by the computer

5. GUI - tools available to construct GUI.

- programs can be designed that are easy to use

6. COMPILER - Matlab program can be compiled into an executable code that runs faster than the interpreted code.