

## Summary of week 2

### function handle

- Scalar data type to pass a function as input
- Applications: Root finders, Numerical quadrature
- add @ sign to get function handle
- Anonymous function

### organize file

- subfunction
  - function with end statement
  - subfunction below the primary functions
- nested function
  - nested functions are enclosed by the primary function
  - sharing variables across sets of functions

### Parse input

- default input
- nargin
- unknown length argument list
  - varargin

### plots

- function plot
  - fplot
  - fimplicit
- data plot
  - plot in linear scale
    - plot
      - figure, subplot
      - color, mark
      - title
      - xlabel
      - legend
      - xlimit
  - plot in log scale
    - semilogx, semilogy, loglog

Assignment Project Exam Help

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