Assignment

- Extend the Logging library from the previous practicals so it uses `abc` module, i.e.
  - define Printer and Formatter “interfaces”
  - particular implementations implements these interfaces

- Change the level in the Logger class to be an enum
  - define the Level enum with values corresponding to the severity of messages
    - SEVERE, WARNING, INFO, FINE, FINER, FINEST
  - `log(level, msg)` method prints messages with the same or severer level
Assignment

• Implement an extensible text processor
  ▪ reads input from the std input and writes to the std output
  ▪ takes a list of command line arguments with names of plugins to be applied on the text
  ▪ plugins have to implement an “interface”, which has methods
    • process(text) – returns processed text
    • name() – a read only property with the name of the plugin
  ▪ implement several plugins like toupper, tolower, capitalize,...
Assignment

• Create an extensible shell (i.e. an interactive program performing commands)

  ▪ help
    • builtin command (the only one)
    • prints out a list of all available commands

  ▪ other commands – classes implementing a prescribed “interface”

  ▪ design a suitable “interface”
    • it has to contain at least methods for
      ▪ name of the command
      ▪ help (for the help command)
      ▪ command execution (taking any number of arguments)