Basic: Python

Course Structure

1. Introduction to Python
2. Variables and naming convention
   1. Problems on usage of variables
3. Conditionals and branching
   1. Problems on usage of conditional
4. Loops
   1. Problems on usage of loops
5. Data structures
   1. Problems using Lists, Tuples, Dictionaries
6. Functions
   1. Problems using different variations on functions
7. Modules
   1. Problems on modules creation and imports
8. Files I/0
   1. Problems on Files access (CSV, XML and JSON)
9. Exceptions
   1. Problem on exception handling
10. Classes and Objects
    1. Problems on Class and Objects.
11. Debugging
    1. Problem on debugging.
12. Logging
    1. Problem on logging system.
13. Regular Expressions
    1. Problem on regular expression.
14. Database connections
    1. Problems on database.