

Agenda, Python Advanced Course

Day	Topics
DAY1	1. Problems with copying mutable data structures 2. Recursive Functions and runtime problems 3. Memoization 4. * and ** in parameter passing 5. Decorators 6. Lambda Operator, Filter, Reduce and Map 7. List Comprehension
DAY2	8. sort and sorted with custom made sort criteria 9. Iterators and Generators 10. Context Managers 11. Exception Handling 12. Object Oriented Programming 12.1. Introduction 12.2. Class and Instance Attributes 12.3. Data Abstraction using getters and setters 12.4. Properties 12.5. Inheritance 12.6. Multiple Inheritance 12.7. Magic Methods and Operator Overloading 12.8. Multiple Inheritance