1. Introduction to programing

* Introduction

2. Learn about the course!

* Course Set-Up and Installation

3. Setup your computer for the course!

* Python Basics:

4. Tokens

5. Formatted Strings

6. Operators

* Logical
* Comparison
* Identity
* Membership

7. Data types

8. Conditional flow Statements

9. Loops

* While
* else For
* For – else
* Nested loops
* Iterables

10. Inbuilt Data Structures

* List
* Tuple
* Set
* Dictionary
* List comprehension
* Dictionary Comprehension

11. Functions

* Defining functions
* Arguments
* Types of Functions
* Key word arguments
* Default Arguments
* \*args
* \*\*args
* Lambda
* Generators
* Decorators
* Recursive
* Map
* Filter
* zip

12. File I/O

* OOP’s:

13. OOPs Vs Procedure Oriented programming

14. Oops concepts

* Class
* Object
* Inheritance
* Polymorphism

15. Constructor

16. Class Vs Instance attributes

17. Class Vs Instance methods

18. Static methods

19. Magic methods

20. Destructor

21. Data hiding

22. Operator Overloading

23. Method Overriding

24. Abstract Base Class

25. Exception handling

* Exceptions
* Handling Exceptions
* Custom Exceptions
* With Statement
* Raising Exceptions