

1.1 Introduction to python

- Installation and Environment Settings
- Introduction to Shell

1.2 Variables, Keywords, Data types and Identifiers

- Variables
- Keywords
- Data types
- Identifiers

1.3 String, List, Set, Tuple, Dictionary and String

- String data type
- List data type
- Set data type
- Tuple data type
- Dictionary data type
- Slicing

1.4 Operators

- Arithmetic Operators
- Logical Operators
- Relational Operators
- Bitwise Operators
- Assignment Operators
- Membership Operators
- Identity Operators

1.5 Control Statements

- Decision Statements
- Looping Statements
- Break, Continue and Pass

1.6 Input and Print Statements

- Input Statements
- Print Statements

17 functions or Methods

- Types of functions
- Recursion
- Arguments
- Packing and Unpacking (varargs)

1.8 OOps

- Class, Objects
- Inheritance
- Method overriding
- Access specifies
- Abstraction
- Aggregation
- Operator overloading

1.9 File Handling and Json

- Flat file handling
- Json
- Pickle

1.10 Exception Handling

- Try
- Except and final
- Custom Exceptions
- Raising Exceptions
- Assertions

1.11 Comprehension

- List Comprehensions
- Set Comprehensions
- Dictionary Comprehensions

1.12 Decorators

- Method
- Class Level

- 1.13 Map, Filter and Lambda Expressions
- 1.14 Iterators and Generators
- 1.15 Multi-threading
- 1.16 Sql Connections
- 1.17Regular Expressions