Python Syllabus

Introduction of Python and Its Scope

- What can python do?
    1. Python can be used in Web development
    2. Python can be used in automation
    3. Python can be used in Android Development
    4. Game Development
    5. Ai ML
    6. Programming language
    7. Desktop Application

- Why Python?

- Python Syntax compared to other language

- Python Installation

Beginning Python Basics

- The Print Statement
- Comment
- Python Data type
    1. Integer
    2. Float
    3. String
        - All Function isUpper(), islower(), Capitalize(), title(),Find(),Index(), count()isalpha() and isdigit()
        - * and + operator
    4. Booleans

- Casting

- Operators

    1. Arithmetic operators
    2. Assignment operators
    3. Comparison operators
    4. Logical operators
    5. Identity operators
    6. Membership operators
    7. Bitwise operators

- If else and elif
    1. Conduction

2. Statement
3. Nesting loop

- Loops
    1. While loop
    2. For loop with range

- List
    1. reverse() (functions)
    2. Sort() (Function)
    3. Append() (Function)
    4. Pop() (function)
    5. Slice[: :]

- Tuple

- Dictionary

    a. Items
    b. Key And value pair

- Array
    1) Searching
    2) Traversing
    3) Deletion
    4) Sorting

- Function
    1) Type of Functions
    2) Creating own Function
    3) Function parameter
    4) Variable argument