PYTHON PROGRAMMING

Introduction
☐ Installing Python in Windows/Linux/Mac OS
☐ Using Python interpreter
☐ Execute a Script
☐ Structuring with Indentation
☐ Editors

Data types and Variables
☐ Variables
☐ Variables v/s identifiers
☐ Naming convention of variables
☐ Keywords

Data Structure
☐ List
☐ Tuples
☐ Sets
☐ Dictionaries

Input And Output
☐ Input function
☐ Input with raw_input()
☐ Output with old string format
☐ Python format function

Control Flow
☐ If/Else Statements
☐ For/while Statements
☐ Range() function
☐ Break and continue statements
☐ Else clauses on Loops

Functions

☐ Defining Function
☐ Default Argument
☐ Keyword Argument
☐ Arbitrary Arguments List

File Handeling

☐ Reading from the file
☐ Writing to the file
☐ Methods of file objects

Error And Expectation

☐ Syntax Errors
☐ Exceptions
☐ Handling Exceptions (try, except)

Module

☐ Creating Modules
☐ Import a module
☐ Import the names
☐ Executing modules as scripts

Class Concept

☐ Class Syntax
☐ Class Objects
☐ Instance Objects
☐ Method Objects
☐ Class and Instance Variables

Advanced Modules

- Regular Expressions
- datetime - date and time libraries
- Dealing with Excel
- GUI
- Web Scrapping