IOTIANHUB INTERSNHIP COURSE

Programming
With Python

Core Python

Week--1

Introduction

- ✔ History
- ✔ Features
- ✔ Setting up path
- ✔ Working with Python
- ✔ Basic Syntax
- ✔ Variable and Data Types
- ✔ Operator

Week—2

Conditional Statements

- ✔ If
- ✔ If- else
- ✔ Nested if-else

Looping

- ✔ For
- ✔ While
- ✔ Nested loops

Control Statements

- ✔ Break
- ✔ Continue
- ✔ Pass

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Week-3—

String Manipulation

- ✓ Accessing Strings
- ✓ Basic Operations
- ✓ String slice
- ✓ Functions and Methods

Lists

- ✓ Introduction
- ✓ Accessing list
- ✓ Operations
- ✓ Working with lists
- ✓ Function and Methods

Tuple

- ✓ Introduction
- ✓ Accessing tuples
- ✓ Operations
- ✓ Working
- ✓ Functions and Methods

Dictionaries

- ✓ Introduction
- ✓ Accessing values in dictionaries
- ✓ Working with dictionaries
- ✓ Properties
- ✓ Functions

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Week-4---

Functions

- ✔ Defining a function
- ✔ Calling a function
- ✔ Types of functions
- ✔ Function Arguments
- ✔ Anonymous functions
- ✔ Global and local variables

Modules

- ✔ Importing module
- ✔ Math module
- ✔ Random module
- ✔ Packages

Week5--

INPUT_OUTPUT—

- ✔ Printing on screen
- ✔ Reading data from keyboard
- ✔ Opening and closing file
- ✔ Reading and writing files

Exception Handling

- ✔ Classes & Objects
- ✔ Inheritance
- ✔ Overriding v/s Overloading
- ✔ Overloading Operators
- ✔ Data Encapsulation