



# The EasyLearn Academy

*software Solutions, Webhosting, Training*

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## Programming With Python

### MODULE 1 [Core Python Concepts]

- ✓ Introduction of Python
- ✓ Programming Style
- ✓ Conditional Statements If,
- ✓ If- else, Nested if-else
- ✓ Looping, For, While, Nested loops Control Statements, Break, Continue,
- ✓ Pass String Manipulation Accessing Strings
- ✓ Basic Operations String slices Function and Methods

### MODULE 2 [Collections] List

- ✓ 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 & function Functions

### MODULE 3 [Functions]

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

### Modules 4 [Module]

- ✓ Importing module
- ✓ Math module

- ✓ Random module
- ✓ Packages
- ✓ Composition

### MODULE 5 [Input-Output]

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

### MODULE 6 [Exception Handling]

- ✓ Exception handling
- ✓ Handling Except clause Try ?
- ✓ finally clause
- ✓ User Defined Exceptions

### MODULE 7 [OOps concept]

- ✓ Class and object Attributes
- ✓ Inheritance
- ✓ Overloading
- ✓ Overriding Data hiding

### MODULE 8 [multithreading & multiprocessing]

- Introduction
- Theory & practical of multithreading
- Theory & practical of multiprocessing

### MODULE 9 [Database]

- ✓ Introduction
- ✓ Connection Steps Executing queries
- ✓ Transactions Handling error
- ✓ CRUD Operation Using Tkinter

### MODULE 10 [project]