

Python

Course Content



Introduction

- History
- Features
- Setting up path
- Working with Python
- Basic Syntax
- Variable and Data Types
- Operator
- 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
- 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
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- Types of functions
- Function Arguments
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- Math module
- Random module

- Packages
- Composition
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- Reading data from keyboard
- Opening and closing file
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- Functions
- Exception Handling

Exception

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

Advance Python

- OOPs concept
- Class and object
- Attributes
- Inheritance
- Overloading
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Regular expressions

- Match function
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- Matching VS Searching
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CGI

Introduction

- Architecture
- CGI environment variable

GET and POST methods

- Cookies
- File upload
- **Database**

Introduction

- Connections
- Executing queries
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- Thread
- Starting a thread
- Threading module
- Synchronizing threads
- Multithreaded Priority Queue

GUI Programming

Introduction

Tkinter programming

Tkinter widgets

Sending email



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