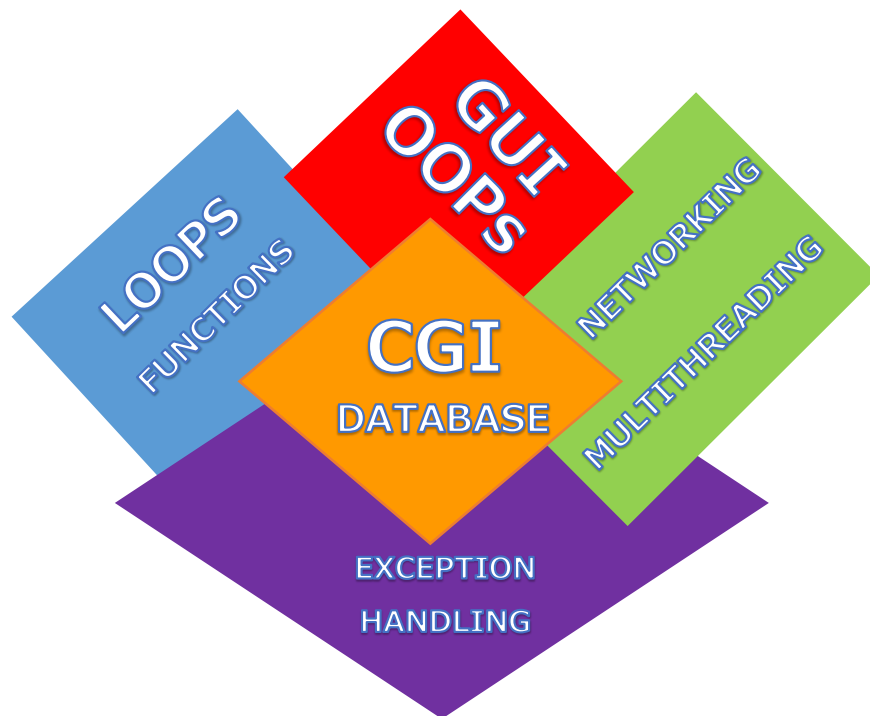


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Module – 1 Python Introduction & Environment Setup

- Why do we need Python?
- Features of Python
- Program Structure in Python
- Setting Up Path
- User Interface or IDE
- Working with Python
- Basic Syntax
- Variable and Data Types
- Operator

Module – 2 Python - Conditional Statements

- if
- if-else
- Nested if-else
- If-else Ladder

Module – 3 Python - Loops

- For
- While
- Nested Loops
- Do while

Module – 4 Python - String Manipulation

- Accessing Strings
- Basic Operations
- String slices
- Function and Methods

Module – 5 Python - Functions

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

Module – 6 Python – Files I/O

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

Module – 7 Python - Exception Handling

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

PYTHON ADVANCED

Module – 8 Python - OPPs Concept

- Class and object
- Attributes
- Inheritance
- Overloading
- Overriding
- Data Hiding

Module – 9 Python - Regular Expression

- Match function
- Search function
- Matching VS Searching
- Modifiers
- Patterns

Module – 10 Python - CGI

- Introduction
- Architecture
- CGI environment variable
- GET and POST methods
- Cookies
- File upload

Module – 11 Python - Database

- Introduction
- Connections
- Executing Queries
- Transactions
- Handling Error

Module – 12 Python - Networking

- Socket
- Socket Module
- Methods
- Client & Server
- Internet Modules

Module – 13 Python - Multithreading

- Thread
- Starting a Thread
- Threading Module
- Synchronizing Threads
- Multithreaded Priority Queue

Module – 14 Python - GUI Programming

- Introduction
- Tkinter programming
- Tkinter Widgets

Module – 15 Python – Industry Usage Discussion