

Python Training in Coimbatore

Curriculum

SECTION 1: INTRODUCTION

- ✓ HISTORY
- ✓ FEATURES
- ✓ SETTING UP PATH
- ✓ WORKING WITH PYTHON
- ✓ BASIC SYNTAX
- ✓ VARIABLE AND DATA TYPES
- ✓ OPERATOR

SECTION 2: CONDITIONAL STATEMENTS

- ✓ IF
- ✓ IF- ELSE
- ✓ NESTED IF-ELSE

SECTION 3: LOOPING

- ✓ FOR
- ✓ WHILE
- ✓ NESTED LOOPS

SECTION 4: CONTROL STATEMENTS

- ✓ BREAK
- ✓ CONTINUE
- ✓ PASS

SECTION 5: STRING MANIPULATION

- ✓ ACCESSING STRINGS
- ✓ BASIC OPERATIONS
- ✓ STRING SLICES
- ✓ FUNCTION AND METHODS

SECTION 6: LISTS

- ✓ INTRODUCTION
- ✓ ACCESSING LIST
- ✓ OPERATIONS
- ✓ WORKING WITH LISTS
- ✓ FUNCTION AND METHODS

SECTION 7: TUPLE

- ✓ INTRODUCTION
- ✓ ACCESSING TUPLES
- ✓ OPERATIONS
- ✓ WORKING
- ✓ FUNCTIONS AND METHODS

SECTION 8: DICTIONARIES

- ✓ INTRODUCTION
- ✓ ACCESSING VALUES IN DICTIONARIES
- ✓ WORKING WITH DICTIONARIES
- ✓ PROPERTIES
- ✓ FUNCTIONS

SECTION 9: FUNCTIONS

- ✓ DEFINING A FUNCTION
- ✓ CALLING A FUNCTION

- ✓ TYPES OF FUNCTIONS
- ✓ FUNCTION ARGUMENTS
- ✓ ANONYMOUS FUNCTIONS
- ✓ GLOBAL AND LOCAL VARIABLES

SECTION 10: MODULES

- ✓ IMPORTING MODULE
- ✓ MATH MODULE
- ✓ RANDOM MODULE
- ✓ PACKAGES
- ✓ COMPOSITION

SECTION 11: INPUT-OUTPUT

- ✓ PRINTING ON SCREEN
- ✓ READING DATA FROM THE KEYBOARD
- ✓ OPENING AND CLOSING FILE
- ✓ READING AND WRITING FILES
- ✓ FUNCTIONS

SECTION 12: EXCEPTION HANDLING

- ✓ EXCEPTION
- ✓ EXCEPTION HANDLING
- ✓ EXCEPT CLAUSE
- ✓ USER-DEFINED EXCEPTIONS

SECTION 13: ADVANCE PYTHON

- ✓ OOPS CONCEPT
- ✓ CLASS AND OBJECT
- ✓ ATTRIBUTES
- ✓ INHERITANCE
- ✓ OVERLOADING

- ✓ OVERRIDING
- ✓ DATA HIDING

SECTION 14: REGULAR EXPRESSIONS

- ✓ MATCH FUNCTION SEARCH FUNCTION
- ✓ MATCHING VS SEARCHING
- ✓ MODIFIERS
- ✓ PATTERNS

SECTION 15: CGI

- ✓ INTRODUCTION
- ✓ ARCHITECTURE
- ✓ CGI ENVIRONMENT VARIABLE
- ✓ GET AND POST METHODS
- ✓ COOKIES
- ✓ FILE UPLOAD

SECTION 16: DATABASE

- ✓ INTRODUCTION
- ✓ CONNECTIONS
- ✓ EXECUTING QUERIES
- ✓ TRANSACTIONS
- ✓ HANDLING ERROR

SECTION 17: NETWORKING

- ✓ SOCKET
- ✓ SOCKET MODULE
- ✓ METHODS
- ✓ CLIENT AND SERVER
- ✓ INTERNET MODULES

SECTION 18: MULTITHREADING

- ✓ THREAD
- ✓ STARTING A THREAD
- ✓ THREADING MODULE
- ✓ SYNCHRONIZING THREADS
- ✓ MULTITHREADED PRIORITY QUEUE

SECTION 19: GUI PROGRAMMING

- ✓ INTRODUCTION
- ✓ TKINTER PROGRAMMING
- ✓ TKINTER WIDGETS

SECTION 20: REAL-TIME PROJECT

- ✓ PYTHON PROJECT ENVIRONMENT SETUP
- ✓ REAL-TIME PYTHON PROJECT
- ✓ PROJECT DEMONSTRATION
- ✓ EXPERT EVALUATION AND FEEDBACK

SECTION 21: YOU MADE IT!!

- ✓ SIVANI ACADEMY PYTHON CERTIFICATION
- ✓ INTERVIEW PREPARATION
- ✓ MOCK INTERVIEWS
- ✓ RESUME PREPARATION
- ✓ KNOWLEDGE SHARING WITH INDUSTRY EXPERTS
- ✓ COUNSELLING TO GUIDE YOU TO THE RIGHT PATH IN YOUR PYTHON CAREER