Sr. No.	Chapters	Sub Chapters
1	Introduction	Introduction to Python Language
		Industrial Importance of Python Language
		Features of Python Language
	Environment Setup	Getting Started with Python
		Installing Python
		Unix and Linux Installation in Python
		Windows Installation
		Setting up PATH
		Setting path at Unix / Linux
		Setting path at Windows
		Script Programming
		Python Identifiers
		Python Keywords
		Python Lines and Indentation
		Python Multi-Line Statements
		Quotation in Python
		Comments in Python
		Using Blank Lines
		Multiple Statements on a Single Line
		Variables and Data Types in Python
		Multiple Assignment in Python Programming
		Standard Data Types in Python
		Data Type Conversion in Python
		Python Input and Output
	Python - Operators	Types of Different Operators in Python
		Changing the Order of Evaluation
	Conditional statements in Python	if statements

Programming	
	ifelse statements
	The elif Statement
	Nested if statements
LOOPS in Python Programming	While loop
	The Infinite Loop
	Using else Statement with Loops
	For loop
	Nested loops
	Loop Control Statements
Strings in Python Programming	Accessing Values in Strings
	Updating Strings
	Escape Characters
	String Special Operators
	String Formatting Operator
	Triple Quotes
Lists in Python Programming	Python Lists
	Accessing Values in Lists
	Updating Lists
	Delete List Elements
	Basic List Operations
	Indexing, Slicing, and Matrixes
	Built-in List Functions & Methods
Tuples	Python Tuples
	Accessing Values in Tuples
	Updating Tuples
	Delete Tuple Elements
	Basic Tuples Operations

	Indexing, Slicing, and Matrixes
	No Enclosing Delimiters
	Built-in Tuple Functions
Dictionary in Python Programming	Python Dictionary
	Accessing Values in Dictionary
	Updating Dictionary
	Delete Dictionary Elements
	Properties of Dictionary Keys
	Built-in Dictionary Functions & Methods
Functions in Python Programming	Calling a Function
	Pass by reference Vs. value
	Function Arguments
	Required arguments
	Keyword arguments
	Default arguments
	Variable-length arguments
	The Anonymous Functions
	The return Statement
	Scope of Variables
	Global vs. Local variables
	The global statement
Modules in Python Programming	The import Statement
	The fromimport Statement
	The fromimport * Statement
	Locating Modules
	The PYTHON PATH Variable
	The time Module
	Getting current time

	Getting formatted time
	The calendar Module
File I/O Operations	Reading and writing files
	Access modes of files
Exception Handling	Handling a exception
	Multiple exceptions
	User-defined exceptions
OOPs with Python	Overview of OOP terminology
	Defining Classes and Objects
	Working with Inheritance
	Abstract Classes
Regular Expressions	Working with 're' module
	Search, replace and pattern checking
Reference Types	Iterators, Generators
	Closures, Decorators
Database Access in python	Database Introduction and types
	Working with SQLite database
	Create, Alter, Drop Tables
	Insert, Select, Update, Delete functions
Multi threading	Threading concept
	Working with threading module
Socket Programming	Introduction to sockets
	Working with socket module
	UDP and TCP client-server connection
GUI Creation	Working with Tkinter module
	Creating graphical Windows, Frame
	Creating Text box, Label, Check buttons, Radian buttons etc