Sl.No	Topic	Contents
1	Python	1. Introduction to Python
		What is Python?
		Installing Python
		Python Shell vs. Scripting
		Python IDEs
		2. Data Types and Variables
		Integers, Floats, Strings, Booleans
		Type Conversion
		Variables and Assignment
		3. Basic Operators
		Arithmetic Operators
		Comparison Operators
		Logical Operators
		4. Control Structures
		Conditional Statements (if, elif, else)
		Loops (for, while)
		break, continue, and pass
		5. Basic Data Structures
		Lists
		Tuples
		Sets
		Dictionaries
		6. Functions
		Defining and Calling Functions
		Arguments and Return Values
		Local and Global Variables
		Lambda Functions, Generators, Decorators

		7. Modules and Packages
		Importing Modules
		Exploring the Standard Library
		8. File Handling
		Reading and Writing Files
		Working with Directories
		Exception Handling during I/O
		9. Error and Exception Handling
		try, except, finally
		Custom Exceptions
		10. Object-Oriented Programming (OOP)
		Classes and Objects
		Inheritance
		Polymorphism
		Encapsulation
		11. Working with External Libraries
		pip and Package Management
		Common Libraries: requests, numpy, pandas