

No	Topics	Sub topics
1	Python Basics	Syntax & Semantics
		Basic data types - int, str, float, bool
		Variables and operators
2	Control Flow	For, while
		if-elif-else
		Nested Loops
		pass-break-continue
3	Inbuilt data structures	List
		List comprehension
		tuple
		set
		dictionary
4	Important Functions	Function Arguments
		lambda
		map
		filter
5	File Handling	Open, close
		Read, write, update
6	Exception Handling	try- except
		Finally
7	OOPS	Classes & objects
		Inheritance
		Overriding vs Overloading
		Polymorphism
		Encapsulation
		Abstraction
8	Advanced Functions	Iterators
		Generators
		Decorators
9	Data Analysis	Numpy
		Pandas
		Feature Engineering

10	Data Visualization	Matplotlib
		Seaborn
11	Miscellaneous	Multithreading
		Multiprocessing
		Logging
		Memory Management