



01

Python

DJANGO



Experience Level: **ADVANCED**



Number of Classes: **70**



Age Range: **ALL AGES**

01

Fundamentals of the Python

- Printing.
- Strings.
- Variables.
- Operators.
- String Indexing.
- Slicing.

02

Understanding Program Flow Control

- Conditional statements.
- If, elif, else blocks
- Iterations.



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02

02

Understanding Program Flow Control (Contd.)

- Loops.
- For loops and while loops.

03

Lists

- List operations.
- Iterating over lists.
- Sorting.
- Nesting.

04

Tuples

- Unpacking tuples.
- Functions.
- Function definitions.
- Parameters.

05

Dictionaries

- Sets.
- Input and Output

06

File Manipulation & Advanced Concepts

- Reading Files.
- Writing Files.
- Classes and Objects in Python.
- Inheritance.
- Building a login and sign-up system.



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07

Django

- Introduction to Django.
- Installation.
- URL Routing.
- Django Apps/Components.
- Template Language.
- Building a simple word counter.
- GET and POST.
- Django Models.
- Database Manipulation.
- User Registration.
- User Login and Logout functions.
- Dynamic URL routing.
- Postgresql setup.
- Build a blog with Django.
- Build a weather app with Django.
- Build a full commercial website with Django.



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