

FYCS – Web Development with Python and Flask

Day 01: 23-12-2023 (Saturday)

- Introduction to Python, Python IDLE,
- Writing and Running Python Projects
- DataTypes, Variables, print(), input(),
- TypeCasting, Comments, String Concatenation
- Operators – Unary, Binary, Ternary,
- Arithmetic, Relational & Logical Operators

Day 02: 06-01-2024 (Saturday)

- Conditional Statements – if, if ... else, if ... elif ... else
- break, continue, return, pass – Keywords
- for in, for range loop, while loop.
- List – Operations – Insertion, Viewing, Deletion, Updating
- Tuple – Operations – Insertion, Viewing, Deletion
- Dictionary – Key Value Pairs, Insertion, Viewing, Updating
- Indexes
- For loop to access List, Tuple, Dictionary Elements

Day 03: 13-01-2024 (Saturday)

- What is Web development?
- Introduction to Flask
- Introduction to Database
- What is the concept of RESTFUL Web Services / API
- Client – Server Architecture
- What is pip in python
- How to install Flask
- Writing & running your first Flask code.

Day 04: 03-02-2024 (Saturday)

- Understanding Flask Code
- Flask Routing
- URL Binding
- HTTP Methods
- Request Object
- Sending Form Data to Template
- Static & Templates Directory

Day 05: 10-02-2024 (Saturday)

- Understanding Bootstrap – Creating Bootstrap Website
- Jinja Templating Basics

Day 06: 17-02-2024 (Saturday)

- SQLAlchemy – Database Connectivity in Flask

Day 07: 24-02-2024 (Saturday) → 04 Hours

- Flask Project Development – Part 01 (Blog Website)

Day 08: 24-02-2024 (Saturday) → 04 Hours

- Flask Project Development – Part 02 (Blog Website)

Day 09: 02-09-2024 (Saturday)

- Winding Up Website
- Final Touch Ups
- Flask Email Connectivity

Day 10: 09-09-2024 (Saturday)

- Buying & Configuring Domain from GoDaddy
- Buying & Configuring Email from GoDaddy
- Buying & Configuring Python Web Hosting from GoDaddy