

Python

Setting Up the Work Environment

The Course Overview

Downloading and Installing Python

Using the Command Line and the Interactive Shell Hello World in Python

The Basics

Data Types and Variables

Arithmetic Operations

Understanding the Order of Operators

Comments

Variables Scope

Command Line Arguments

Data Input

Control Statements

If Statements

Else Statements

Elif Statements

Loops

While Loops

For Loops

Break, Continue and Else

Sequences

Range

String

Tuple

List

Dictionary

Set

Indexing, Sequencing and Slicing

Number Function

Numerics

Generating Random Numbers

Datatype Conversions

Functions

Syntax Overview

More on Parameters

More on Returns

Arbitrary Arguments

Exception Handling

Try, Except, Finally

Raising Exceptions

Modules

Using Modules

Creating Modules

File Handling

Opening Files

Reading and Writing Test Files

Object Oriented Programming with Python

Overview of Classes and Objects

Using 'Class'

Using Methods

Use Object Data

Inheritance

Database Handling with SQLite

Installing SQLite browser.

Creating a Database

Insert and Update Records

Retrieve and Delete Records

DJANGO

1. Introductions

2. How to Install Virtual environment
3. How to make Virtual environment
4. How to install Django , MySql
5. How to create Projects 6. How to create apps

Programs

1. Registration form
2. Registration and login with database
3. Django forms
4. main project

HTML

- 1. Introduction**
- 2. Basic Structure**
- 3. Basic Tags**
- 4. List**
- 5. Table**
- 6. Links**
- 7. Images**
- 8. Forms**
- 9. Form Validation**
- 10. Html5 tags**
- 11. Video**
- 12. Audio**
- 13. traditional layout**
- 14. Div**
- 15. Html5 layout**
- 16. Section**
- 17. Article**
- 18. Header**
- 19. Main**
- 20. Footer**
- 21. Aside**
- 22. Nav**

CSS

- 1.introduction**
- 2.style tag**
- 3.inline css**
- 4.internal css**
- 5.external css**
- 6. selectors**
- 7.css rules**
- 8.Color**
- 9.text**
- 10.Box model**
- 11.Pseudo elements**
- 12.padding**
- 13.margin**
- 14.border**
- 15.display**
- 16. styling images**
- 17. styling list**
- 18.styling tables and forms**
- 19.styling fieldset and legend**
- 20.layout**

Java Script

1.introduction

2.script tag

3.variable declaration

4.operators

5.conditional statements

6.switch

7. loop

8. loop control stmnts

9.objects

10. functions

11. numbers

12 accessing values from html

13. form validation using js

Angular 8

1. Over view

- 2. Environment setup**
- 3. Project setup**
- 4. Components**
- 5. Modules**
- 6. Data binding**
- 7. Event binding**
- 8. Pipes**
- 9. Routing**

10. Angular forms

11. mini project