FullStack Python Programming

PYTHON PROGRAMMING

- Introduction To Python
- Different Modes In Python
- Variables In The Python
- Python Operators And Operands
- Python Conditional Statements
- Python Loops
- Learning Python Strings
- Sequence In Python
- Python Lists
- Python Tuple
- Python Sets
- Python Dictionsry
- Python Functions
- Python Modules
- Python Date And Time
- Reading And Writing Files
- Python Os Modules
- Python Exception Handling

- Python Iterators

- Python Generators

- Python Decorators

- Python Class And Objet(Oop)

- Oop Principles

- Garbage Collection

- Inheritance

- Multiple Inheritance

- Operator Overloading

- Polymorphism

- Abstraction

- Encapsulation

- Python Regular Expressions

- Python Data Structures And Algorithm

HTML

- Introduction of HTML

- Tag, Elements and Attributes

- Basics syntax

- Table

- List

- Forms

- Structure of HTML4 and HTML5 H.

- Semantic and non-semantic tags
- HTML 5 Features
- New Input type
- Forms Attribute
- SVG
- Canvas
- Audio, Video Tag

CSS (Cascading Style Sheet)

- Attributes (ID, Class, Style, Title)
- CSS Types (Inline, Internal, External)
- Box-model
- Display Property (Block, Inline, None)
- Visibility-Hidden
- Position Property(Static, Relative, Absolute, Fixed)
- Z-index Property
- Combinators (Descendant Selector, Child Selector, Adjacent Sibling Selector, General Sibling Selector)
- CSS Pseudo-classes (Link, Visited, Hover, Active)
- CSS Pseudo-elements (First Line, First Letter, Before, After ,Selection)
- Static Web Page

- Viewport Meta tag

- Background, Multiple Backgrounds

- Font Related Features (online fonts)

- Text-Effect and Box-Effect

- Gradients-Linea and Radial Transition

- Transformation G. Animation

- Media Queries

BOOTSTRAP

- Introduction of Bootstrap (Responsive)
- Typography Tables Images, Buttons

- Grid Structure-Type of columns

- Forms Jumbortron, well, Panel Navbar, Nav Tab K. Carousel

- Responsive Web Page

JAVASCRIPT

- Introduction of JavaScript

- Use of JavaScript

- Variables Keywords

- Data Type (Primitive, non-primitive)

- JS Conditions (if, if-else)

- Conditional operators & logical operators H. Loops (for, while, do-while)

- Switch Case Functions

- Set Timeout and set Interval Function

- HTML DOM

- Use the document object to access and manipulate HTML

- Changing HTML Elements

- Adding and Deleting Elements

- Array Objects

- How to access Objects (Dot Notation, bracket Notation)

- Object Creation (Empty Object, Literal Way, Constructor Way) T. Prototype Validations Events

JQUERY

- Introduction
- JQuery Library
- First JQuery Example
- The Document Ready Function
- How to escape a special character
- Selectors Basic Selectors Precise Selectors Combination of Selectors
- Hierarchy Selectors
- Selection Index Filters
- Visibility Filters
- Forms Selectors
- Forms Filters
- Find Dropdown Selected Item
- Document Traversal
- Getting a specific DOM element
- Event Events Helpers Attach Event Detaching Events Events

   Triggering
- HTML Manipulation
- AJAX with jQuery
- JSON Introduction

SQL

- Introduction to Basic Database Concepts
- What is Data, Field, Record and database?
- Limitations of File Management System,
- Basic Concepts of Advantages of DBMS,
- Level of abstraction, Database models,
- Exploring Relational DBMS, Discuss the basic design, theoretical, and physical aspects of a relational database
- Understanding Client and Server,
- What is MySQL?
- MySQL datatypes
- Basics of Types of SQL Statements
- Create and use Database
- Categorize the different types of SQL statements:
- DDL, DML, DQL, DCL and TCL
- Data types in SQL
- Exploring DDL Statements on Table
- Writing Basic SQL Statement
- List the capabilities of SQL SELECT statements
- Generate a report of data from the output of a basic SELECT statement
- Select All Columns
- Select Specific Columns
- Use Column Heading Defaults

- Use Arithmetic Operators

- Understand Operator Precedence

- Learn the DESCRIBE command to display the table structure

  Using Parentheses

  Defining a Null

- Defining a Column Alias

- Using Column Aliases

- Concatenation Operator

- Using the Concatenation Operator O. Literal Character Strings

- Using Literal Character StringDuplicate Rows

- Eliminating Duplicate Rows

- Restricting and Sorting Data

- Limiting Rows Using a Selection

- Limiting the Rows Selected

- Using the WHERE Clause

- Character Strings and Dates

- Comparison Conditions

- Using Comparison Conditions

- Other Comparison Conditions

- Using the BETWEEN Condition

- Using the IN Condition

- Using the LIKE Condition

- Using the NULL Conditions

- Logical Conditions

- Using the AND Operator

- Using the OR Operator

- Using the NOT Operator

- Rules of Precedence

- ORDER BY Clause

- Sorting in Descending Order

- Sorting by Column Alias

- Sorting by Multiple Columns

- Advance DDL Commands

- Normalization

- Create Database objects

- Alter Table Statements

- Drop Table Statements

- Various Constraints

- Commit Creating Views

- Working on DML statements

- Data Manipulation Language

- Adding a New Row to a Table

- The INSERT Statement Syntax

- Inserting New Rows

- Inserting Rows with Null Values

- Inserting Special Values

- Creating a Script

- Inserting Specific Date Values Copying Rows from another Table

- Changing Data in a Table

- The UPDATE Statement Syntax

- Updating Rows in a Table

- Updating Two Columns with a Subquery

- Updating Rows Based on another Table Updating Rows: Integrity

- Constraint Error Removing a Row from a Table

- The DELETE Statement

- Deleting Rows from a Table

- Deleting Rows Based on another Table Deleting Rows: Integrity

- Constraint Error Using a Subquery in an INSERT Statement

- Use of built-in function in SQL

- Conversion Function

- Logical Functions

- Math Function

- Aggregate Functions

- String Functions

- Date Functions

- Working on multiple tables and Retrieve records from multiple tables

- Self-Join

- Inner Join

- Left Join

- Right Join

- Cross Join

- Working on subqueries

- Using a Subquery to Solve a Problem

- Subquery Syntax

- Using a Subquery

- Guidelines for Using Subqueries

- Types of Subqueries

- Single-Row Subqueries

- Executing Single-Row Subqueries

- Using Group Functions in a Subquery

- The HAVING Clause with Subqueries

- Multiple-Row Subqueries

- Using the ANY Operator in Multiple-Row Subqueries

- Using the ALL Operator in Multiple-Row Subqueries

- Null Values in a Subquery

Django Syllabus

- Django Framework
- Introduction to Django
- Installing Django
- Setting up a database
- Starting a project
- Difference between a App and a Project Role of Flask and Django
- Basics of Dynamic Web Pages

- Dynamic Content
- Mapping URLs to views
- Request Processing by Django
- A overview of settings in Django Pretty Error Pages
- The Django Template System
- Template System Basic Using Template System
- Basic Template and Filters How to Configure Template Template
- Loading Template Inheritence Course Name
- Interacting with databases
- Dumb way
- MTV way
- Conguring the database
- Dening Models in Python
- Selecting and Deleting Objects
- What are Migrations and Why we do that
- The Django Administration site
- Activating the admin interface
- Using the admin interface
- Customizing the interface
- Admin part (How to create Superuser in Python) What are Models?
- Models and Admin Linkup Modelform creation
- Form Processing
- Creating a feedback form Custom look and feel Creating Forms and models Form Validation
- What is Context in Django Custom Form
- How to setup Email in our Projects
- Advanced Views and URLconfs
- Streamlining Function Imports Using Named Group Capturing Texts in URLs URL Routing
- What is Render and relative import URL names as Links

- Generic Views
- Using Generic Views Generic Views of objects Course Name Extending Generic Views
- Extending Template Engine
- Template Language Review Request Context and Processor Inside
- Template Loading Extending Template System Writing Custom Template Loaders
- Template Language Review Request Context and Processor
- Djangos Session Framework Users and Authentication
- Inside Template Loading
- Permissions, Groups, Messages and Proles
- Extending Template System
- How to add Authentication in Django Project with help of
- Writing Custom Template Loaders
- Registration Redux module
- HTML Manipulation
- AJAX with jQuery
- JSON Introduction
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Angular10

Reactjs

AWS Services

SHREE VEDA I TECHNOLOGIES

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