

# Python Full Stack

## HTML Syllabus

- HTML Basics And History
- HTML Setup and Hello Program
- HTML Heading Tag
- HTML Tags
- HTML Input and Label
- HTML Radio Button and Check Box
- HTML Button
- HTML File, Textarea and Select Tag
- HTML List
- HTML Image
- HTML Table



# CSS Syllabus

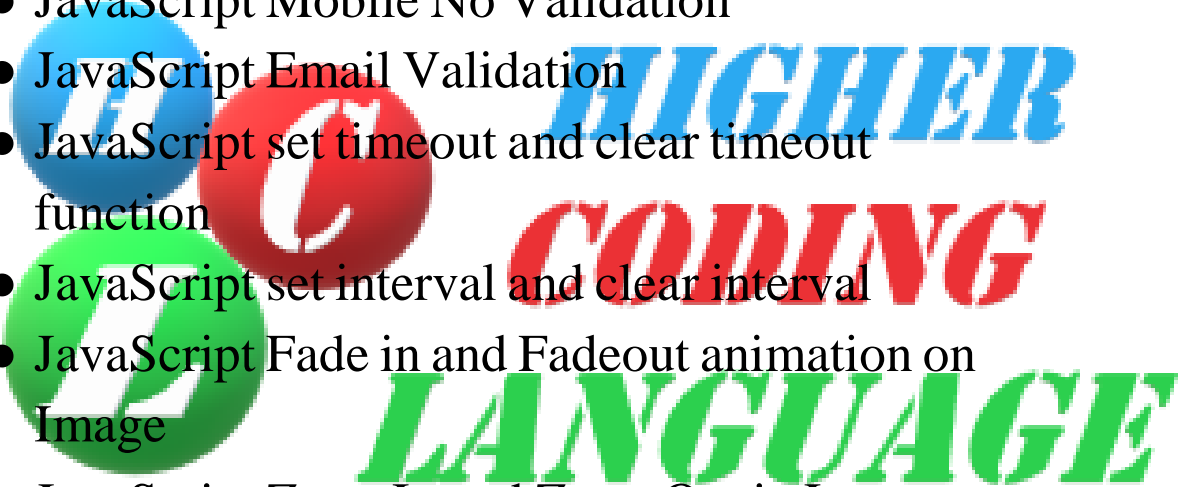
- CSS Basics
- CSS Inline and Internal Online
- CSS External CSS
- CSS Div Example
- CSS Background Properties
- CSS Border Properties
- CSS Font Properties
- CSS List Style Properties
- CSS Margin And padding
- CSS Text Properties
- CSS Sudo Classes
- CSS Outline



# JavaScript Syllabus

- JavaScript Introduction
- JavaScript Parts Of Web Development
- JavaScript Setup
- JavaScript Hello Program
- JavaScript Data Types
- JavaScript Operators
- JavaScript Arithmetic Operation
- JavaScript Types of Statement
- JavaScript if-else Statement
- JavaScript Ladder if else Statement
- JavaScript Switch case Statement
- JavaScript do While loop
- JavaScript While loop
- JavaScript for loop
- JavaScript Function Introduction
- JavaScript Function Types
- JavaScript Global and Local Variable
- JavaScript Array
- JavaScript Class Object
- JavaScript Constructor
- JavaScript Dynamic Object

- JavaScript Button Click Event
- JavaScript Textbox
- JavaScript Radio Button
- JavaScript Dropdown List
- JavaScript getElementByTagName
- JavaScript getElementsByClassName
- JavaScript onmouseover & onmouseout Event
- JavaScript Validation
- JavaScript Regular Expression
- JavaScript Mobile No Validation
- JavaScript Email Validation
- JavaScript set timeout and clear timeout function
- JavaScript set interval and clear interval
- JavaScript Fade in and Fadeout animation on Image
- JavaScript ZoomIn and ZoomOut in Image



# JQuery Syllabus

jQuery Introduction

jQuery Setup

jQuery Selectors

jQuery With CSS

jQuery Advanced Selectors

jQuery Events

jQuery single Click and Double Click

jQuery Hide and Show Effects

jQuery Keyboard Events

jQuery Mouse Events

jQuery Focus and Blur Events

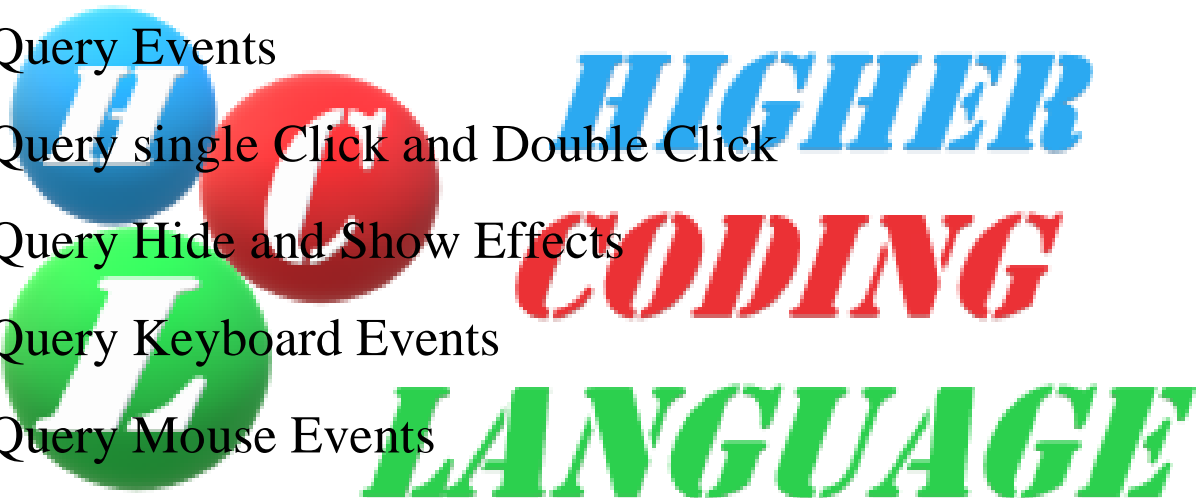
jQuery Toggle Effects

jQuery Slider Effects

jQuery fade-in and Fadeout

jQuery Calendar

jQuery Calendar min and max date



jQuery Animation

jQuery popup

jQuery Validation



# Bootstrap Syllabus

bootstrap Introduction

bootstrap Setup Manually

bootstrap Setup with CDN

bootstrap lib customization

bootstrap Website



# React JS Syllabus

- React Introduction
- Environment up with Windows
- Hello world
- File and folder structure
- Package.json in Details
- functional Component
- Class Component
- JSX with Reactjs
- Click event and function in ReactJs
- State with functional component
- State with class component
- Props with functional component
- Props in class component
- Get Input box value
- Hide , Show and Toggle in ReactJs
- Handle Form \_ checkbox \_ input field \_ select
- Conditional rendering \_ If Condition
- Basic Form validation
- What is life cycle method
- Constructor \_ First life cycle method
- Render life cycle method
- componentDidMount lifecycle method in ReactJs
- componentDidUpdate life cycle method in ReactJs
- shouldComponentUpdate life cycle method
- componentWillUnmount life cycle method
- Hooks in ReactJs
- useEffect Hook in ReactJs
- useEffect with condition like component did mount
- style in ReactJs

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- Install Bootstrap
- Array Listing with Map function
- List with Bootstrap Table
- Reuse component in loop
- fragment in ReactJs
- Send Data Child to Parent Component
- Pure component in ReactJs
- useMemo Hook
- Ref with Example
- useRef Hook example
- forwardRef example
- Controlled Component
- Uncontrolled Component
- Higher order component (HOC)
- Routing Setup
- Routing with Example
- Page Not Found - 404 Page
- Dynamic Routing
- fetch API \_ GET method
- What is Postman in Hindi
- POST Method in Rest API
- Delete Method in React API
- Update Data with API \_ Put Method

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# Python Syllabus

## 1 Python Introduction

- Python introduction
- Python Applications
- Python Features
- Python Setup

## 2 Python Basics

- Python variables
- Python Data types
- Python Keywords
- Python literals
- Python operators
- Python comments

## 3 Python Basics Program

- Python arithmetic
- Python input output
- Python type casting

## 4 Python Control Flow

- If
- If else
- Loops
- For loop
- While loop
- Break and continue
- pass

## 5 Python String

- String Introduction
- String Slicing
- String immutability
- String Formatting

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- String Functions

## 6 Python List

- List Introduction
- List Slicing
- List Properties
- List iteration
- List Operator
- List Functions

## 7 Python Tuple

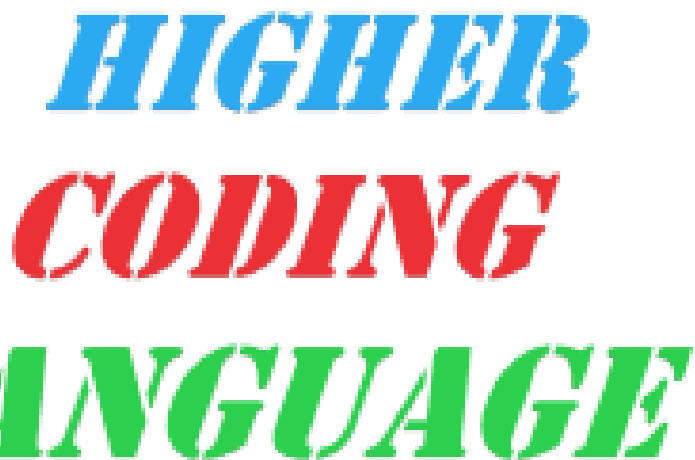
- Tuple Introduction
- List vs Tuple
- Tuple Slicing
- Tuple Properties
- Tuple iteration
- Tuple Operator
- Tuple Functions

## 8 Python Set

- Set Introduction
- List vs Tuple vs Set
- List Slicing
- List Properties
- Set iteration
- Set Functions
- Set Operations
- Frozen Set

## 9 Python Dictionary

- Dictionary Introduction
- Dictionary Properties
- Dictionary iteration



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## 10 Python Functions

- Function Introduction
- Types of Function
- Types of variables
- Lambda functions

## 11 Python Module

- Function Introduction
- Inbuilt module
- User define module

## 12 Python Exception Handling

- Exception Introduction
- Exception handling by try and except
- Else block
- Finally block
- Raising exception

## 13 Python Files

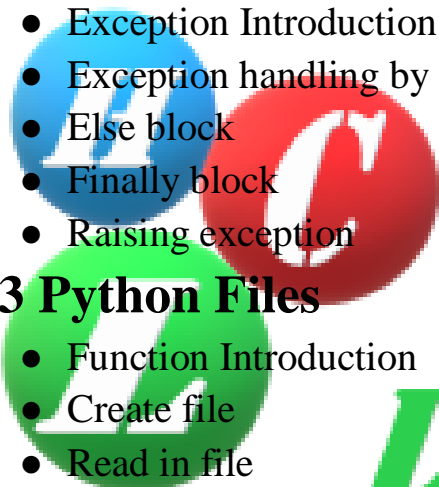
- Function Introduction
- Create file
- Read in file
- Write in file
- File functions
- Pickle

## 14 Python Database

- Sqlite database Introduction
- Database crud operations

## 15 Python OOPS

- OOPS introduction
- Class and object
- constructor
- Str method



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- Inheritance
- Abstraction

## **16 Python Thread**

- thread introduction
- Single tasking using thread
- Multitasking using thread

## **17 Python Date and Time**

- Time
- Sleep time
- Datetime module
- Calendar module

## **18 CSV File**

- Read CSV file
- Read CSV file using pandas
- Write in CSV file
- Write in CSV file using pandas

## **19 Python Assert and list comprehension**

- assert introduction
- Assert keyword
- List comprehension

## **20 Python inbuilt module**

- Math module
- Os module
- Random module
- Statistics module

## **21 Python Array**

- Array introduction
- Array iteration
- Array operations

## **22 Python JSON**



- write json file
- Read json file



# Django Syllabus

## 1) Django Basics And Setup

- Django Basics
- Django MVT Architecture
- Django Setup Window OS
- Django Setup Mac OS

## 2) Django Project and App & Template

- Django Project Directory Structure
- Django Create App
- Django Configure and Run App
- Django Endpoint
- Django Templates
- Django Dynamic Templates
- Django Anchor Tag
- Django Arithmetic Operation
- Django Get, Post, Put and Delete Methods

## 3) Django Dynamic Website

- Django Website Template
- Django Add Template In App
- Django Formatting of Template
- Django Create Dynamic Website Template
- Django Set Data Dynamically
- Django Use Multiple Objects
- Django Set Images Dynamically
- Django If Statement
- Django ORM

## 4) Django Database

- Django Setup Postgre and PgAdmin
- Django Create DataBase In Postgre
- Django Migrate Class To DataBase Table



- Django ReMigrate

## 5) Django Admin Panel

- Django Admin Panel
- Django Add Data From Server
- Django User Registration
- Django User Registration part-2
- Django User Validation
- Django Messages
- Django Login Form
- Django Logout

