Python Full Stack development

Introduction To Python

Why Python , its Unique Feature and where to use it?

Python environment Setup

Discuss about IDE’s like IDLE, Pycharm and Enthought Canopy

Start programming on interactive shell.

Python Identifiers, Keywords

Discussion about installed module s and packages

Access Command line arguments within programs

Python Data Types

Declaring and using Numeric data types: int, float, complex

Using string data type and string operations

Defining list and list slicing

Use of Tuple data type

Python Exception Handling

Avoiding code break using exception handling

Safe guarding file operation using exception handling

Handling and helping developer with error code

Programming using Exception handling

Python Program Flow Control

Conditional blocks using if, else and elif

Simple for loops in python

For loop using ranges, string, list and dictionaries

Use of while loops in python

Loop manipulation using pass, continue, break and else

Programming using Python conditional and loops block

Python Functions , Modules And Packages

Organizing python codes using functions

Organizing python projects into modules

Importing own module as well as external modules

Understanding Packages

Powerful Lamda function in python

Programming using functions, modules & external packages

Python File Operation

Reading config files in python

Writing log files in python

Understanding read functions, read(), readline() and readlines()

Understanding write functions, write() and writelines()

Manipulating file pointer using seek

Programming using file operations

Python Object Oriented Programming – OOPS

Concept of class, object and instances

Constructor, class attributes and destructors

Real time use of class in live projects

Inheritance , overlapping and overloading operators

Adding and retrieving dynamic attributes of classes

Programming using Oops support

Python Database Interaction

SQL Database connection using python

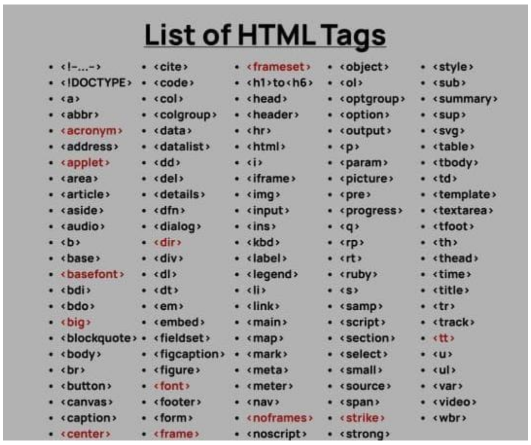
Creating and searching tables

Reading and storing config information on database

Programming using database connections

Full-Stack Using Python

Html Headings Paragraphs Line Breaks Horizontal Lines Comments



List of HTML Tags

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- <a>
- <abbr>
- <acronym>
- <address>
- <applet>
- <area>
- <article>
- <aside>
- <audio>
- <b>
- <base>
- <basefont>
- <bdi>
- <bdo>
- <big>
- <blockquote>
- <body>
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- <button>
- <canvas>
- <caption>
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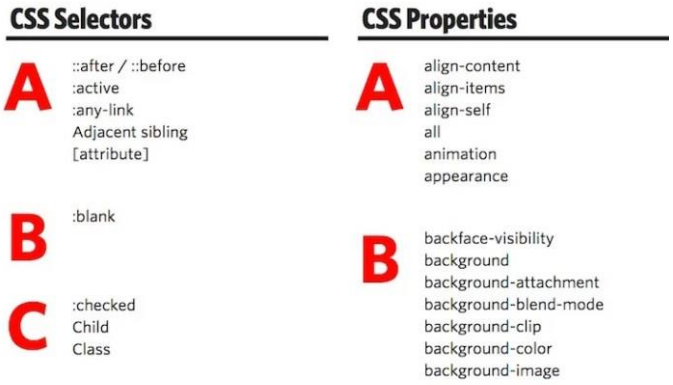
- <wbr>

Css Inline CSS Internal CSS External CSS Selectors Margins Borders Padding Width and Height



CSS Selectors

A

::after / ::before
:active
:any-link
Adjacent sibling
[attribute]

B

:blank

C

:checked
Child
Class

CSS Properties

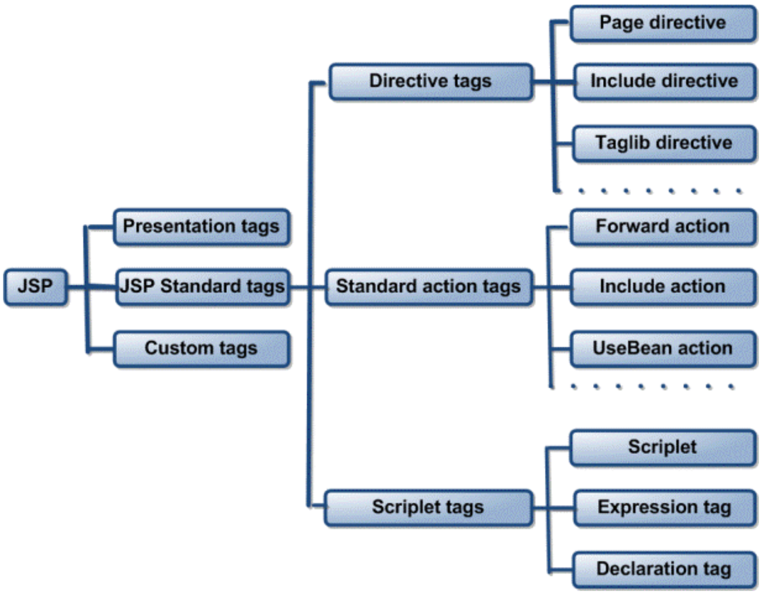
A

align-content
align-items
align-self
all
animation
appearance

B

backface-visibility
background
background-attachment
background-blend-mode
background-clip
background-color
background-image

Js Variables and Constants Data Types Operators Conditional Statements Loops



Flask python full stack connection Defining Routes URL Parameters Dynamic URL Routing HTTP Methods URL Building