

دوره طراحی وبسایت با پایتون و جنگو | Web Design with Python: Django Full Stack Bootcamp

Web Design with Python: Django Full Stack Bootcamp

سرفصل ها

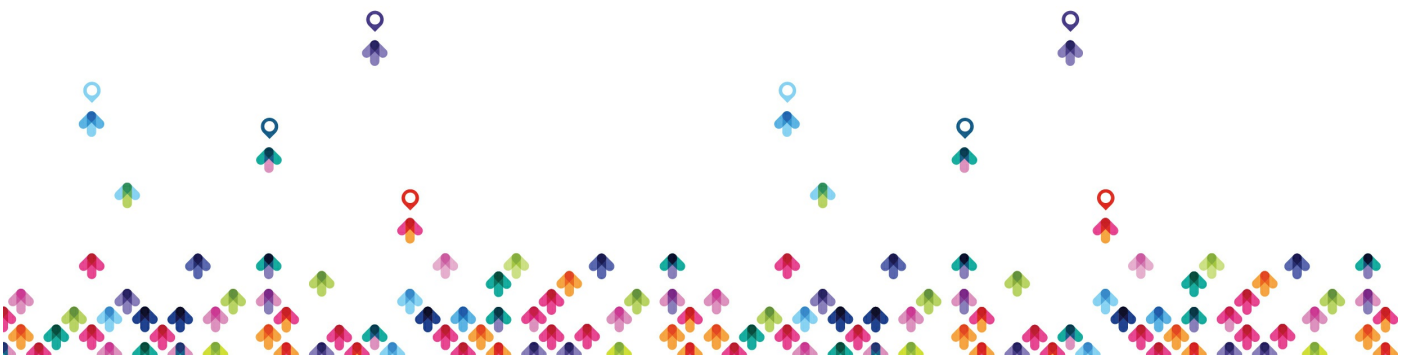
PYTHON

BASICS

- Introduction
- Interpreter vs. Compiler
- Understanding and Getting to Know Python
- Storing Items in Variables
- More on Variables and Strings
- String Formatting
- Displaying Numbers, Variables and Strings

PROGRAM FLOW CONTROL

- Conditions with IF ELIF ELSE
- FOR Loops



- Understanding CONTINUE and BREAK
- Augmented Assignments
- WHILE Loops
- Nesting Conditions and Loops

LISTS, RANGES AND TUPLES

- Lists in Python
- Understanding Iterators
- Using Ranges
- Ordered Sets With Tuples

DICTIONARIES AND SETS

- Binary and Hex Numbers in Python
- Dictionaries and More
- Sets in Python

INPUTS AND OUTPUTS

- Reading and Writing Text Files
- Appending to Files
- Writing Binary Files Manually
- Using PICKLE to Write Binary Files
- Shelves
- Manipulating Data with Shelves
- Updating With Shelves

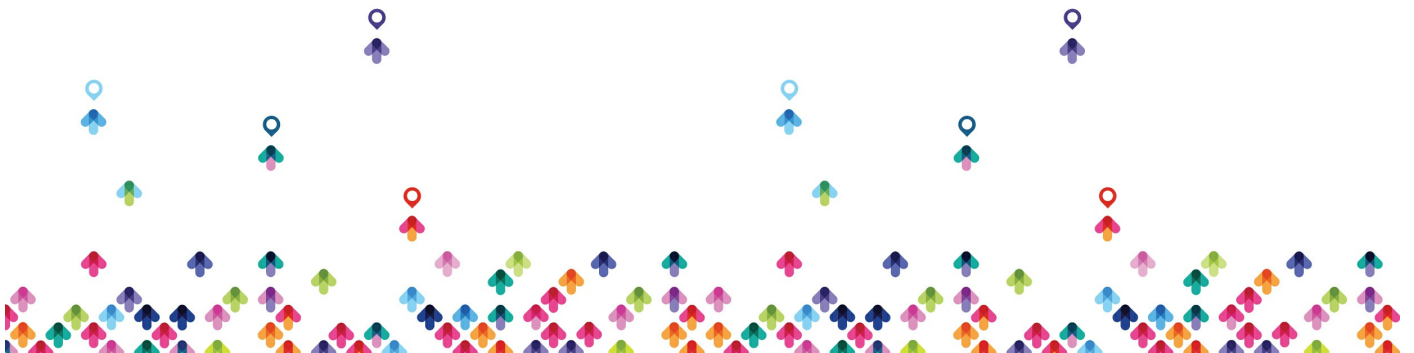
MODULES AND FUNCTIONS



- Modules and Import
- Standard Python Library
- WebBrowser Module
- Time and Date in Python
- Timezones
- Checking Path in Windows/Mac
- Installing the PYTZ Module
- Using Timezones
- Introduction to TKINTER
- TKINTER - Pack Geometry Manager
- TKINTER - Grid Geometry Manager
- Functions in Python
- Scope in Functions
- Global Variables
- Global Keyword
- Importing Techniques
- Underscores in Python
- Namespaces and Recursion
- Recursion with OS Module
- Nonlocal Keyword
- LEGB

OBJECT ORIENTED PYTHON

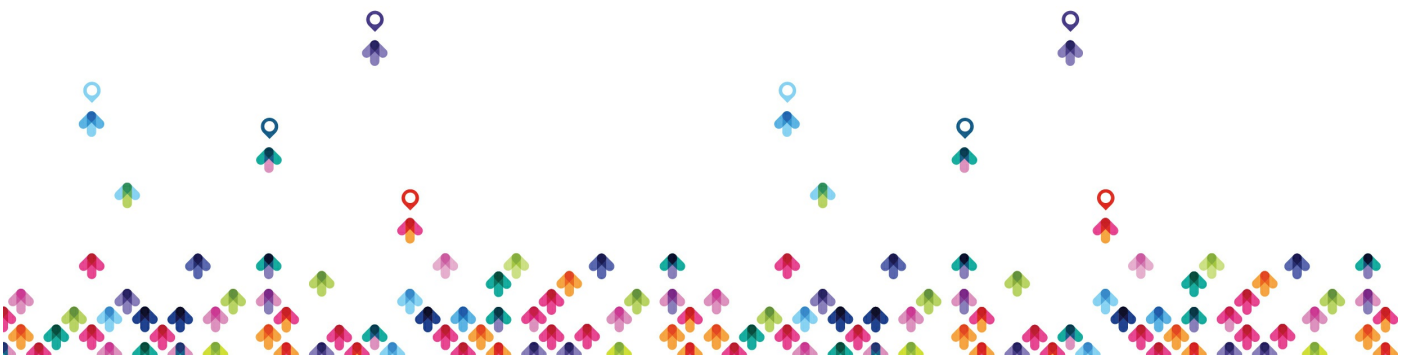
- OOP and Classes
- Instances, Constructors, Self and More
- Class Attributes



- Methods
- Non Public and Mangling
- DocString and Raw Literals
- Compile Files and Algorithm Flowchart
- Getters and Properties
- Getters and Setters
- Data Attributes and Properties
- Encapsulation
- Inheritance
- Subclasses and Overloading
- Calling Super Methods
- Overriding Methods
- Polymorphism
- Duck Test
- Composition
- Aggregation
- Delegation

HTML

- Introduction to HTML
- Basics

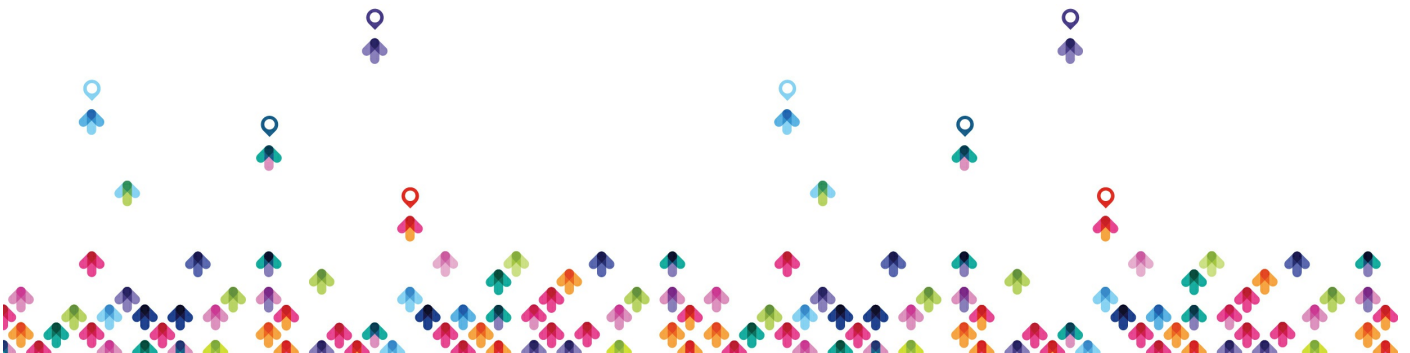


- Tagging
- Lists
- Divs and Spans
- Attributes
- Tables
- Forms and Selections

CSS

- Introduction
- Styling in CSS
- W3 and MDN
- Connecting Styles to HTML
- Links
- Tags, Selectors and Containers
- Classes and ids
- Specificity
- Fonts
- Box Model

Bootstrap



- Buttons
- Forms
- Navbar
- Grids

Javascript Overview

- Basics
- Connecting Javascript
- Operators
- Control Flow
- Loops (while and for)
- Functions
- Arrays
- Objects

Document Object Model

- DOM Interaction
- Content Interaction
- Events



- Mini Project

Django --> Project Based Learning

- What is Django?
- MVC Armada
- Django's MVT
- Project One
 - Creating Virtual Environments
 - Your First Django Project
 - Creating Database Tables
 - Creating a Django App
 - Creating A SuperUser
 - Templates Directory
 - Using HTML Files
 - Creating Your First Model
 - Static File Directory
 - Uploading Images
 - Displaying Posts in Template File
 - Implying Bootstrap
 - Using Bootstrap Components
 - Creating Pages (Details, Explanatory, Posts)



- Creating Navbar
- Extending Templates
- Creating Django Forms
- Creating A New Post
- Applying Login Function
- Deleting A Post
- Updating A Post
- Pagination
- Search
- Creating Users
- Login Form
- Login View
- Registering A User
- Logout View
- Using Messages

پیش نیازها

- این دوره پیش نیازی ندارد و پیش نیازهای لازم برای آن در سرفصل های دوره گنجانده شده است.

