

101 sections • 676 lectures • 64h 2m total length

[Expand all sections](#)

**Day 1 - Beginner - Working with Variables in Python to Manage Data**

**Day 2 - Beginner - Understanding Data Types and How to Manipulate Strings**

**Day 3 - Beginner - Control Flow and Logical Operators**

**Day 4 - Beginner - Randomisation and Python Lists**

**Day 5 - Beginner - Python Loops**

## Day 6 - Beginner - Python Functions & Karel

## Day 7 - Beginner - Hangman

## Day 8 - Beginner - Function Parameters & Caesar Cipher

## Day 9 - Beginner - Dictionaries, Nesting and the Secret Auction

## Day 10 - Beginner - Functions with Outputs

## **Day 11 - Beginner - The Blackjack Capstone Project**

## **Day 12 - Beginner - Scope & Number Guessing Game**

## **Day 13 - Beginner - Debugging: How to Find and Fix Errors in your Code**

## **Day 14 - Beginner - Higher Lower Game Project**

## **Day 15 - Intermediate - Local Development Environment Setup & the Coffee Machine**

## Day 16 - Intermediate - Object Oriented Programming (OOP)

## Day 17 - Intermediate - The Quiz Project & the Benefits of OOP

## Day 18 - Intermediate - Turtle & the Graphical User Interface (GUI)

## Day 19 - Intermediate - Instances, State and Higher Order Functions

## Day 20 - Intermediate - Build the Snake Game Part 1: Animation & Coordinates

## Day 21 - Intermediate - Build the Snake Game Part 2: Inheritance & List Slicing

## Day 22 - Intermediate - Build Pong: The Famous Arcade Game

## Day 23 - Intermediate - The Turtle Crossing Capstone Project

## Day 24 - Intermediate - Files, Directories and Paths

## Day 25 - Intermediate - Working with CSV Data and the Pandas Library

## Day 26 - Intermediate - List Comprehension and the

~~Day 26 - Intermediate - List Comprehension and More~~

## NATO Alphabet

**Day 27 - Intermediate - Tkinter, \*args, \*\*kwargs and Creating GUI Programs**

**Day 28 - Intermediate - Tkinter, Dynamic Typing and the Pomodoro GUI Application**

**Day 29 - Intermediate - Building a Password Manager GUI App with Tkinter**

**Day 30 - Intermediate - Errors, Exceptions and JSON Data: Improving the Password**

**Day 31 - Intermediate - Flash Card App Capstone Project**

**Day 32 - Intermediate+ Send Email (smtplib) & Manage Dates (datetime)**

**Day 33 - Intermediate+ API Endpoints & API Parameters - ISS Overhead Notifier**

**Day 34 - Intermediate+ API Practice - Creating a GUI Quiz App**

**Day 35 - Intermediate+ Keys, Authentication & Environment Variables: Send SMS**

**Day 36 - Intermediate+ Stock Trading News Alert Project**

## **Day 37 - Intermediate+ Habit Tracking Project: API Post Requests & Headers**

## **Day 38 - Intermediate+ Workout Tracking Using Google Sheets**

## **Day 39 - Intermediate+ Capstone Part 1: Flight Deal Finder**

## **Day 40 - Intermediate+ Capstone Part 2: Flight Club**

## **Day 41 - Web Foundation - Introduction to HTML**

## Day 42 - Web Foundation - Intermediate HTML

## Day 43 - Web Foundation - Introduction to CSS

## Day 44 - Web Foundation - Intermediate CSS

## Day 45 - Intermediate+ Web Scraping with Beautiful Soup

## Day 46 - Intermediate+ Create a Spotify Playlist using the Musical Time Machine

**Day 47 - Intermediate+ Create an Automated Amazon Price Tracker**

**Day 48 - Intermediate+ Selenium Webdriver Browser and Game Playing Bot**

**Day 49 - Intermediate+ Automating Job Applications on LinkedIn**

**Day 50 - Intermediate+ Auto Tinder Swiping Bot**

**Day 51 - Intermediate+ Internet Speed Twitter Complaint Bot**

## Day 52 - Intermediate+ Instagram Follower Bot

Day 53 - Intermediate+ Web Scraping Capstone - Data Entry Job Automation

Day 54 - Intermediate+ Introduction to Web Development with Flask

Day 55 - Intermediate+ HTML & URL Parsing in Flask and the Higher Lower Game

Day 56 - Intermediate+ Rendering HTML/Static files and Using Website Templates

Day 57 - Intermediate+ Templating with Jinja in Flask

# Applications

**Day 58 - Web Foundation Bootstrap**

**Day 59 - Advanced - Blog Capstone Project Part 2 - Adding Styling**

**Day 60 - Advanced - Make POST Requests with Flask and HTML Forms**

**Day 61 - Advanced - Building Advanced Forms with Flask-WTForms**

**Day 62 - Advanced - Flask, WTForms, Bootstrap and CSV - Coffee & Wifi Project**

**Day 63 - Advanced - Databases and with SQLite and SQLAlchemy**

**Day 64 - Advanced -My Top 10 Movies Website**

**Day 65 - Web Design School - How to Create a Website that People will Love**

**Day 66 - Advanced - Building Your Own API with RESTful Routing**

**Day 67 - Advanced - Blog Capstone Project Part 3 - RESTful Routing**

**Day 68 - Advanced - Authentication with Flask**

**Day 69 - Advanced - Blog Capstone Project Part 4 - Adding Users**

**Day 70 - Advanced - Deploying Your Web Application with Heroku**

**Day 71 - Advanced - Data Exploration with Pandas: College Major v.s. Your Salary**

**Day 72 - Advanced - Data Visualisation with Matplotlib: Programming Languages**

**Day 73 - Advanced - Aggregate & Merge Data with Pandas: Analyse the LEGO Dataset**

**Day 74 - Advanced - Google Trends Data: Resampling and Visualising Time Series**

**Day 75 - Advanced - Beautiful Plotly Charts & Analysing the Android App Store**

**Day 76 - Advanced - Computation with NumPy and N-Dimensional Arrays**

**Day 77 - Advanced - Linear Regression and Data Visualisation with Seaborn**

**Day 78 - Advanced - Analysing the Nobel Prize with Plotly, Matplotlib & Seaborn**

**Day 79 - Advanced - The Tragic Discovery of Handwashing: t-Tests & Distributions**

**Day 80 - Advanced - Capstone Project - Predict House Prices**

**Day 81 - Professional Portfolio Project - [Python Scripting]**

**Day 82 - Professional Portfolio Project - [Python Web Development]**

## Day 83 - Professional Portfolio Project - [Python Scripting]

## Day 84 - Professional Portfolio Project - [GUI]

## Day 85 - Professional Portfolio Project - [GUI]

## Day 86 - Professional Portfolio Project - [Game]

## Day 87 - Professional Portfolio Project - [Web Development]

## Day 88 - Professional Portfolio Project - [Web

## Development]

**Day 89 - Professional Portfolio Project - [GUI Desktop App]**

**Day 90 - Professional Portfolio Project - [HTTP Requests & APIs]**

**Day 91 - Professional Portfolio Project - [Image Processing & Data Science]**

**Day 92 - Professional Portfolio Project - [Web Scraping]**

**Day 93 - Professional Portfolio Project - [GUI Automation]**

**Day 94 - Professional Portfolio Project - [Game]**

**Day 95 - Professional Portfolio Project - [HTTP Requests & APIs]**

**Day 96 - Professional Portfolio Project - [Web Development]**

**Day 97 - Professional Portfolio Project - [Python Automation]**

**Day 98 - Professional Portfolio Project - [Data Science]**

## Day 99 - Professional Portfolio Project - [Data Science]

## Day 100 - Professional Portfolio Project - [Data Science]

## Final Stretch