



# Course Overview



**PLEASE DON'T SKIP  
THIS LECTURE**





# Complete Python Bootcamp

- Course Overview Lecture
  - Useful tips for going through the course
  - How to get help during the course
  - Advice on how to approach the course
  - Where to find the course notebooks
  - How to use the student chat channel



## Useful Tips

- Use the gear setting to speed up or slow down videos.
- Use the Udemy App to download videos of course lectures.
- Make sure to make use of QA Forums, lots of previous discussion available there!



## How to get help

- Double check against course notebooks
- Quick Google or StackOverflow Search
- Search the QA Forums in the course
- Check out FAQ lecture
- Submit new question in QA forums
  - Details on what you've tried
  - Screenshot of error or code



## How to get help

- Platform level issues please email:
  - [support@udemy.com](mailto:support@udemy.com)
    - Video playback issues
    - Certification issues
    - Payment issues



## How to approach course

- Best way to approach the course is review the notebooks along with the video
  - Beginners: Read extra notes in the notebook along with the video guide.
  - Experienced: Read the notebooks to see if you only need to review certain parts of the video lecture.



## Course Notebooks

- Check your Automated Welcome message for the link to the notebooks.
- Later on we will review how to download and open them **Running Python Code** lecture.
- Link is also in the FAQ lecture.





## Student Chat Channel

- Use the link in the automated welcome message to join our discord server.
- The automated welcome message also includes a link to a YouTube video describing how to use and log in to the chat server.



## Student Chat Channel

- Remember, purpose of chat channel is to connect students with other students.
- Technical questions related to course material are best suited for the QA forums.



# THANK YOU!



# Python 2 vs Python 3



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- Choosing between Python 2 vs 3 used to be a very difficult decision for newcomers to the Python programming language.
- Many companies still had legacy Python 2 code to be maintained.



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- This course was initially released teaching both versions of Python (2 and 3).
- The versions were similar enough that it was easy to learn both simultaneously.
- Now every major external python package has been updated to support Python 3!



# Complete Python Bootcamp

- This course now focuses solely on Python 3.
- All the code, notebooks, and videos have been updated to Python 3.
- If need be, going back to Python 2 syntax is a very easy jump once you know Python 3.



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- Python 3 is the future of Python.
- We use Python 3 for this course.
- Old notebooks are available in case you need Python 2 information.
- Let's get started by installing Python 3!





# Command Line Crash Course



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- Before we install anything, its important to have a very quick overview of how to work at the command line.
- This allows you to programmatically move through your computer's directories.



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- We will cover:
  - Find your current directory
  - Listing all files in a directory
  - How to change directory
  - How to clear the command line screen



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- MacOS and Linux Users

Jump to:

- Windows Users

Jump to:



# Windows Command Line



# MacOS and Linux Command Line



# Python Overview and Installing Python



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- Developed by Guido Van Rossum in 1991 it has quickly become one of the most popular programming languages in the world.





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- Python has many advantages
  - Developers can learn it quickly
  - Typically involves less code
  - Syntax is easier to read
  - Utilized by every major technology company
  - Huge amount of additional open-source libraries.



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- To install Python we will use the free Anaconda distribution.
- This distribution includes Python as well as many other useful libraries, including Jupyter.
- Anaconda can also easily be installed on to any major OS, Windows, MacOS, or Linux.



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- There is also Miniconda , which is a smaller sized version of Anaconda.
- To begin installation go to:

**[www.anaconda.com/downloads](https://www.anaconda.com/downloads)**



# Running Python Code



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- There are several ways to run Python code.
- First let's discuss the various options for development environments
- There are 3 main types of environments:
  - Text Editors
  - Full IDEs
  - Notebook Environments



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- Text Editors
  - General editors for any text file
  - Work with a variety of file types
  - Can be customized with plugins and add-ons
  - Keep in mind, most are not designed with only Python in mind.

**Most popular: Sublime Text and Atom**



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- Full IDEs
  - Development Environments designed specifically for Python.
  - Larger programs.
  - Only community editions are free.
  - Designed specifically for Python, lots of extra functionality.

**Most popular: PyCharm and Spyder**



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- Notebook Environments
  - Great for learning.
  - See input and output next to each other.
  - Support in-line markdown notes, visualizations, videos, and more.
  - Special file formats that are not .py

**Most popular is Jupyter Notebook.**





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- Most important note:
  - Development Environments are a personal choice highly dependent on personal preference.

**Choose whichever development environment you prefer!**



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- Let's now explore how to run Python code:
  - First with an editor to create a .py script and run the file at your command line.
  - Then with a Jupyter Notebook.

First let's download sublime text editor:

**[www.sublimetext.com](http://www.sublimetext.com)**



# Course Notebooks



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Let's show you how to get the course notebooks!

Go to the resource link:

<https://github.com/Pierian-Data/Complete-Python-3-Bootcamp>