GENERAL ASSEMBLY

Development Environment

Applications
Anaconda Navigator
Application test
Pip test
Python Review(testing app)
Finding data



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Applications

Terms

IDE – Integrated Development Environment

IDLE – Integrated Development Learning Environment

Developer suites

Anaconda - https://www.anaconda.com/

PyCharm - https://www.jetbrains.com/pycharm/download/?section=windows

Text editors

Sublime - https://www.sublimetext.com/

Notepad - https://notepad-plus-plus.org/

Vim - https://www.vim.org/

Applications – Text Editors

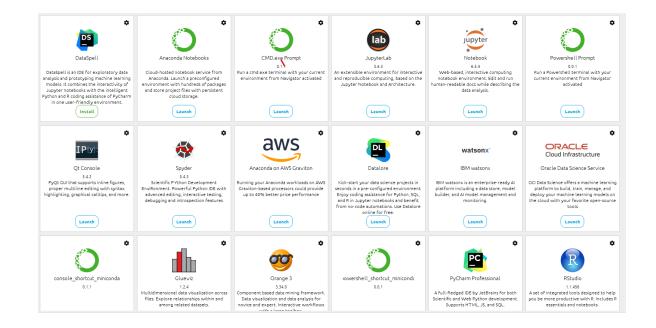
Organize far away from live code
Documentation
Edit functionality
Bookmarking
Color schemes

Sublime Exercises



Anaconda Navigator

-Spyder -Jupyter



<u>Python Review</u>

Review – I'm pretty new to Python

In class

- Basics of Python
- Connecting to data

Test yourself – I finished pre-work and feel pretty confident in Python

- Work on the challenge worksheets to see if you can fix the code without little reference to Cheatsheets.

Build – I have been working in python for a while but could use a refesher

- Work with the prompts in each unit to begin building a skillbuilder.

Advanced Students - I consider myself proficient in Python and don't need a refresher.

- Connect to Chipotle or your final presentation data to begin exploring data for Final

<u>Python Review</u>

```
# Set your OS path where your files are stored
# getcwd() What is your Current Working directory
import os
os.getcwd()
# chdir() Change your default working directory - you don't want to do this often
import os
from pathlib import Path
path = Path('//Users//Matth//Documents//pythonscripts')
os.chdir(path)
# Make a directory
import os
dirName = '/Users/Matth/Documents/pythonscripts'
os.mkdir(dirName)
```

| 1) What is an IDE? |
|--|
| 2) Name two different IDE's |
| 3) What is a Library? |
| 4) What is a Module? |
| 5) What is a Function? |
| 6) What is a Class? |
| 7) What is an Object? |
| 8) What is the difference between an Expression and a statement? |
| 9) Why do you need pip? |
| |

Classroom Exercise

- 1. Connect to the titanic dataset
- 2. What are observations made about the data?
- 4. What next steps would you make?

https://github.com/Morrisdata/data/blob/main/titanic.xls

GENERAL ASSEMBLY

Tasks

Identify and obtain 1 – 3 datasets of Interest for Final Project Connect to Chipotle data using Python

Begin creating a Python program for your ongoing learning

Reach out to a fellow student with progress or struggle with current project.

Offer a fellow student support with current project.

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