### 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 - <a href="https://www.anaconda.com/">https://www.anaconda.com/</a>

PyCharm - <a href="https://www.jetbrains.com/pycharm/download/?section=windows">https://www.jetbrains.com/pycharm/download/?section=windows</a>

#### **Text editors**

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

Notepad - <a href="https://notepad-plus-plus.org/">https://notepad-plus-plus.org/</a>

Vim - <a href="https://www.vim.org/">https://www.vim.org/</a>

# Applications – Text Editors

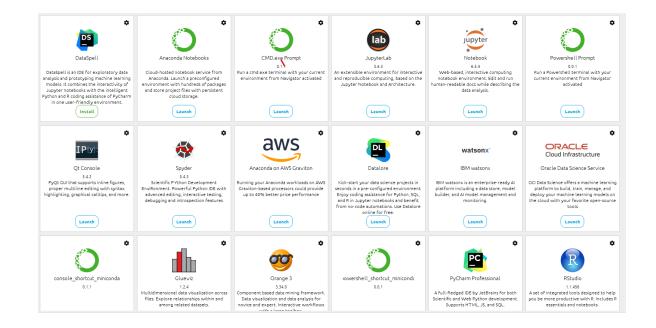
Organize far away from live code
Documentation
Edit functionality
Bookmarking
Color schemes

**Sublime Exercises** 



## Anaconda Navigator

### -Spyder -Jupyter



### Python Review

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 Explore applications

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