Install Applications for this course

You will be using a command line interface throughout the course. The default command-line interface for the Mac operating system is the **terminal**. The command-line interface for Windows, Linux, and any Unix-based operating systems is **bash**.

Open up the command-line interface on your system and make sure it loads.

First Installation: Python

To set up Python, go to https://www.python.org/downloads.

Click on the button to download the latest version of the Python installer.

Once the download is complete, locate the Python installer file. Double-click on the file to run the installation process.

To verify that Python was successfully installed, you can run the following command in the command line.

```
Unset
python3 –-version
```

Second Installation: Visual Studio Code

Visual Studio Code, also known as VS Code, is a commonly used coding environment.

To set up Visual Studio Code, go to https://code.visualstudio.com/download.

Click on the download button that is specific to the operating system you have.

Once the download is complete, open up Visual Studio Code.

In Visual Studio Code, create a new file and select Python as the language. If it asks you to install Python, follow the steps provided to make sure Python is installed within the VS Code environment.

Third Installation: Pip

The next tool to install is pip, which is a package manager for Python. It allows you to install and manage packages that aren't part of the Python standard library.

To install pip, run the following command through the command line.

```
Unset
sudo python3 get-pip.py
```

Fourth Installation: PyInputPlus

The next tool to install is pyinputplus, which is a Python library for user input validation.

To install pip, run the following command through the command line.

```
Unset
pip3 install pyinputplus
```

Fifth Installation: Requests

The next tool to install is requests, which is a Python library for sending requests to get HTML code from websites.

To install requests, run the following command through the command line.

```
Unset
pip3 install requests
```

Sixth Installation: Beautiful Soup

The next tool to install is Beautiful Soup, which is a Python library for parsing HTML code and extracting data from it. The requests library and the BeautifulSoup library work together to streamline the process of automated web scraping.

To install Beautiful Soup, run the following command through the command line.

```
Unset
pip3 install beautifulsoup4
```

Seventh Installation: Selenium

The next tool to install is Selenium which is a Python library for automating web browsing and testing web applications.

To install Selenium, run the following command through the command line.

```
Unset
pip3 install selenium
```

Eighth Installation: Webdriver Manager for Python

The next tool to install is Webdriver Manager for Python is a library that simplifies the management of drivers for different browsers. This will install the driver that Selenium will use to interact with your browser.

To install this, run the following command through the command line.

```
Unset
pip3 install webdriver-manager
```