

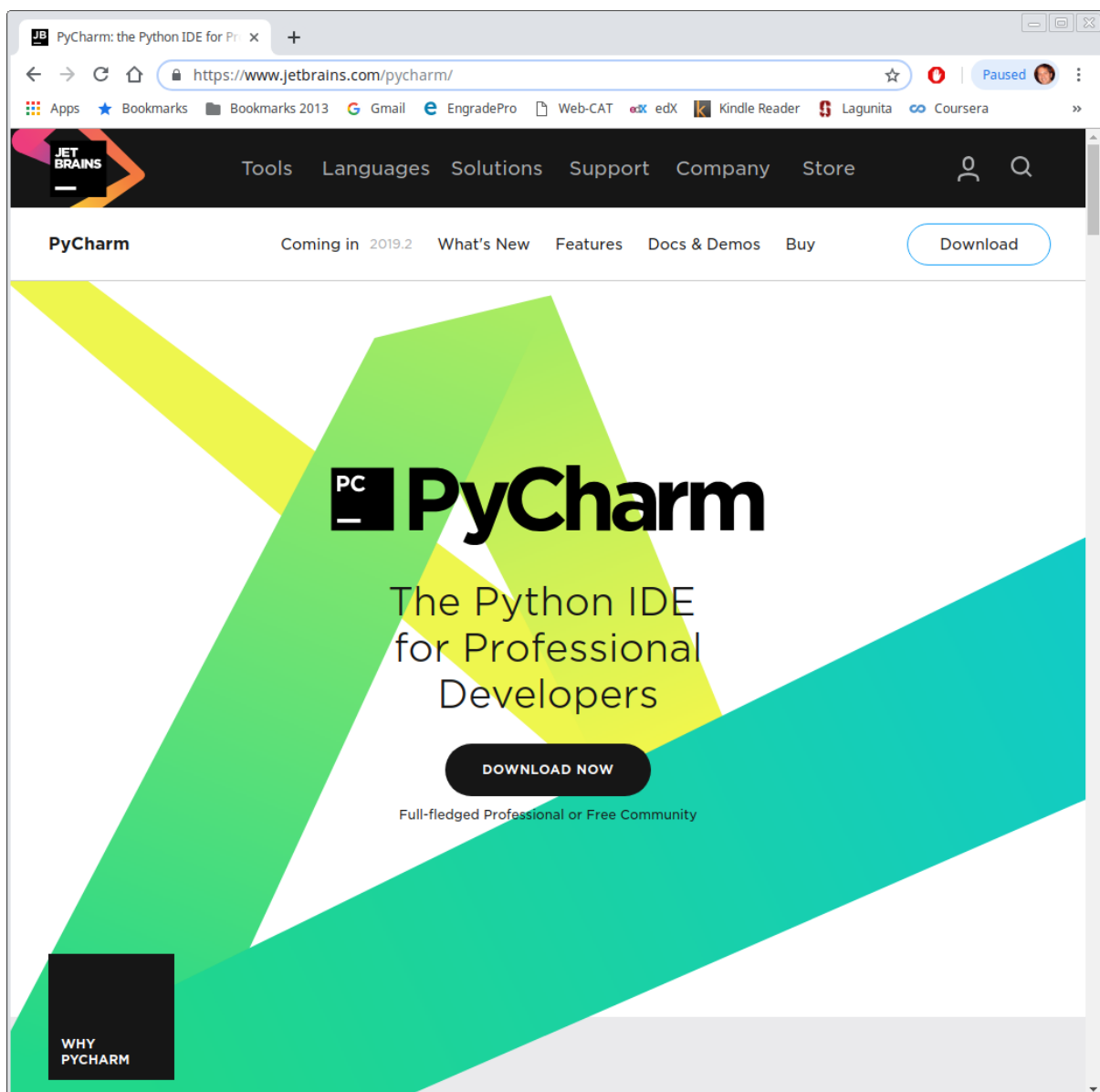
AP Computer Science Principles

Installing the PyCharm Integrated Development Environment(IDE)

The following is a step-by-step tutorial for downloading and installing the PyCharm software that we will use in this class for developing Python programs.

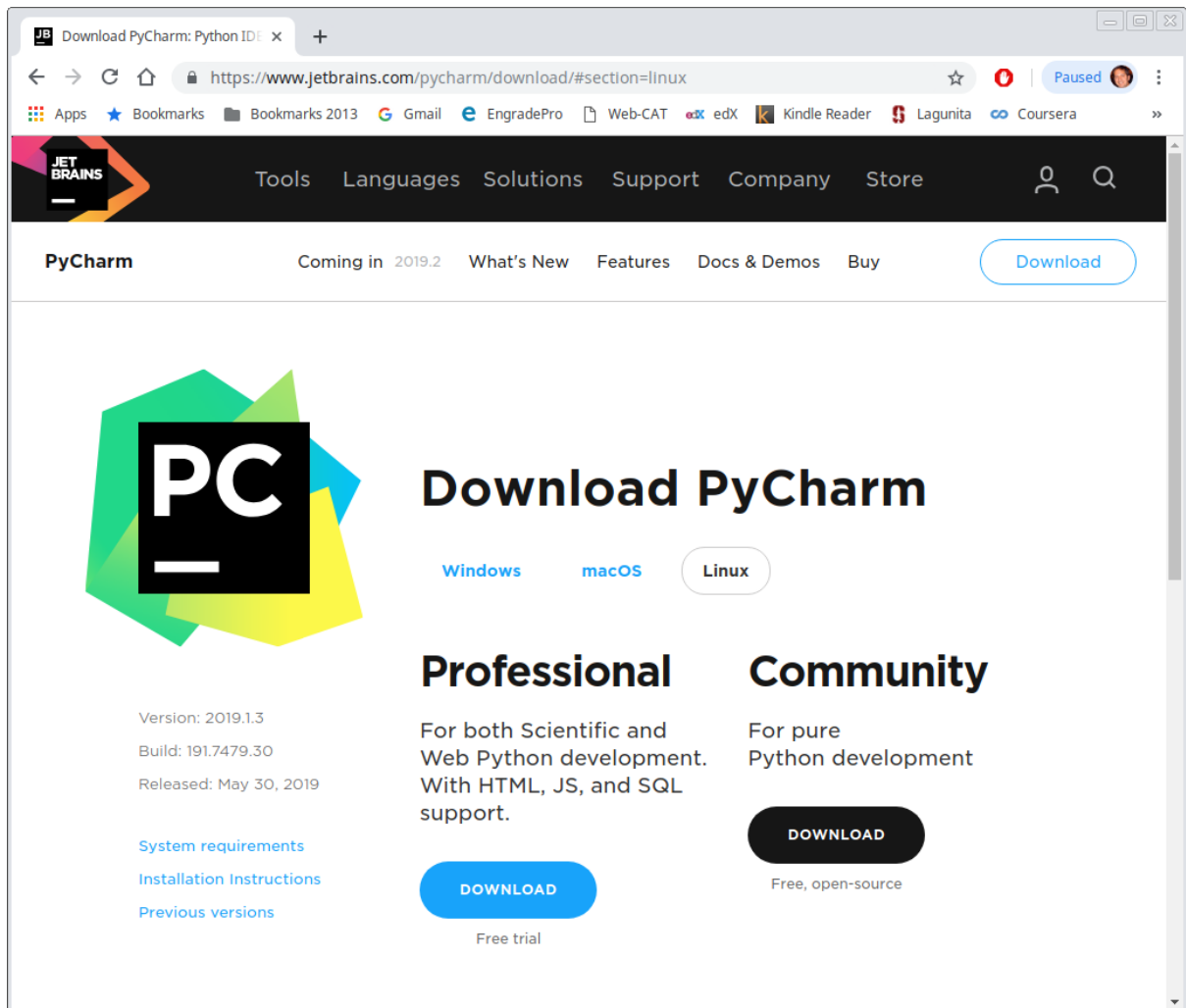
The specific version we will be working with is **Python 3.7**. I understand that there is an earlier version in existence, called Python 2.7, but that version is in the process of being deprecated. In other words, the Python language maintainers have decided that Python 2.7 has reached its end-of-life cycle, and it will no longer be actively maintained. Therefore, from this point onward, my courses will use **Python 3.7**.

1. Point your browser to the following URL: <https://www.jetbrains.com/pycharm/>
You should see the following screen. Click on the [DOWNLOAD NOW](#) button.



2. The following is the download screen. PyCharm supports all three of the major operating systems, which are **Windows**, **MacOS**, and **Linux**. For my specific operating system, I have selected Linux.

Note that there are two download buttons for you to choose from: Professional and Community. In this class, we will be using the **Community** version of PyCharm, because it is free of charge. Click on the black **DOWNLOAD** button.



The screenshot shows the JetBrains website's download page for PyCharm on Linux. The browser address bar shows the URL: <https://www.jetbrains.com/pycharm/download/#section=linux>. The page features the PyCharm logo (a stylized 'PC' in a black square) and navigation links for Tools, Languages, Solutions, Support, Company, and Store. The main content area is titled "Download PyCharm" and includes tabs for Windows, macOS, and Linux. Under the Linux tab, there are two options: Professional and Community. The Professional option is described as "For both Scientific and Web Python development. With HTML, JS, and SQL support." and has a blue "DOWNLOAD" button with a "Free trial" label below it. The Community option is described as "For pure Python development" and has a black "DOWNLOAD" button with "Free, open-source" text below it. On the left side, there is a sidebar with version information: "Version: 2019.1.3", "Build: 191.7479.30", and "Released: May 30, 2019". Below this are links for "System requirements", "Installation Instructions", and "Previous versions".

3. Finally, you should be presented with the following download window. Save the PyCharm installation file to your Downloads folder. Then, install PyCharm according to the specifications of your particular operating system.

