
PyCharm IDE for Python Programming

- PyCharm is an integrated development environment (IDE) used in computer programming, specifically for the Python language.
- It is developed by the Czech company JetBrains.
- It provides code analysis, a graphical debugger, an integrated unit tester, integration with version control systems (VCSes), and supports web development with Django.
- PyCharm is cross-platform, with Windows, macOS and Linux versions.
- The Community Edition is released under the Apache License, and there is also Professional Edition with extra features, released under a proprietary license.
- Community Edition is free where as Professional edition is free.

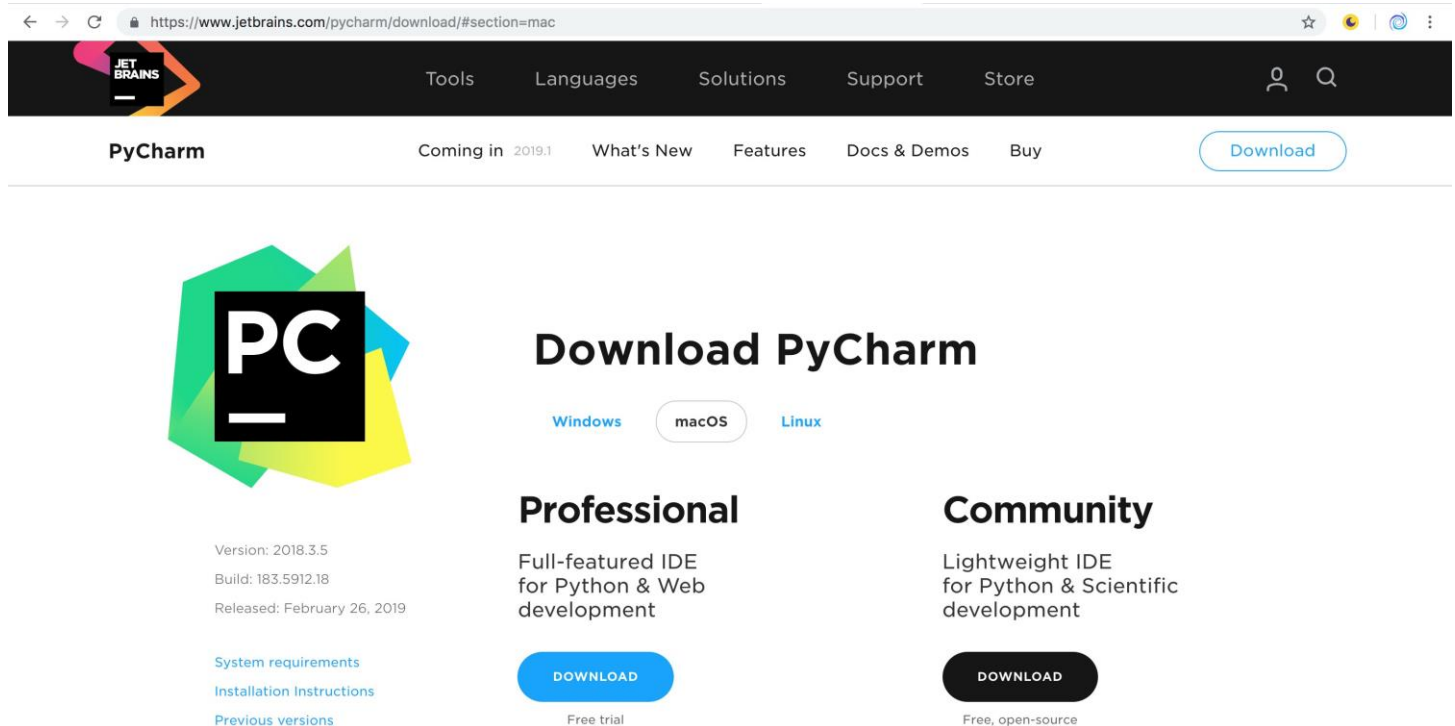
Features of PyCharm :

- Coding assistance and analysis, with code completion, syntax and error highlighting, linter integration, and quick fixes
- Project and code navigation: specialized project views, file structure views and quick jumping between files, classes, methods and usages
- Python refactoring: including rename, extract method, introduce variable, introduce constant, pull up, push down and others
- Support for web frameworks: Django, web2py and Flask
- Integrated Python debugger
- Integrated unit testing, with line-by-line code coverage
- Google App Engine Python development
- Version control integration: unified user interface for Mercurial, Git, Subversion, Perforce and CVS with changelists and merge

Steps to install PyCharm

Step 1 :

To download PyCharm visit the website <https://www.jetbrains.com/pycharm/download/> and Click the "DOWNLOAD" link under the Community Section.



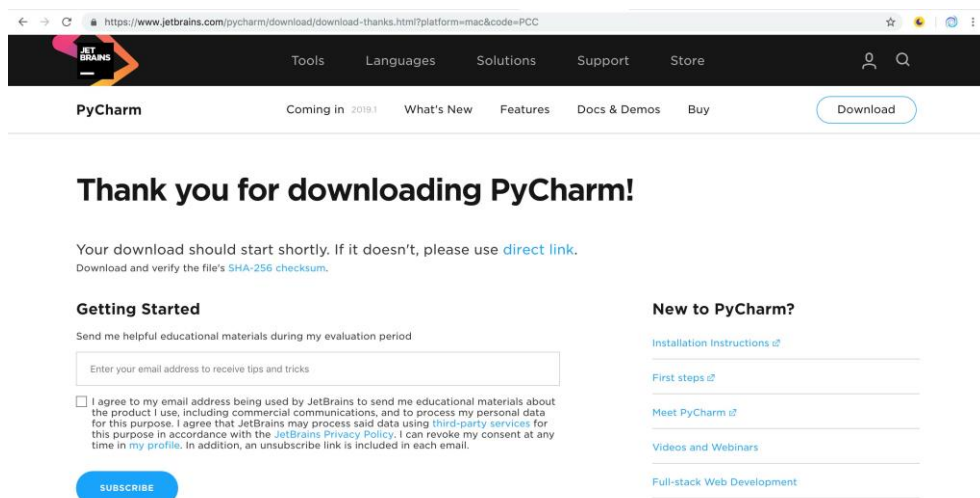
The screenshot shows the JetBrains website's PyCharm download page. The URL in the browser is <https://www.jetbrains.com/pycharm/download/#section=mac>. The page features the PyCharm logo (a stylized 'PC' in a black square) and navigation links for Tools, Languages, Solutions, Support, and Store. Below the navigation bar, there are links for 'Coming in 2019.1', 'What's New', 'Features', 'Docs & Demos', and 'Buy', along with a 'Download' button. The main content area is titled 'Download PyCharm' and offers three options: Windows, macOS (selected), and Linux. Under the macOS section, there are two versions: 'Professional' (Full-featured IDE for Python & Web development) and 'Community' (Lightweight IDE for Python & Scientific development). Each version has a 'DOWNLOAD' button. The 'Professional' version is labeled 'Free trial' and the 'Community' version is labeled 'Free, open-source'. There are also links for 'System requirements', 'Installation Instructions', and 'Previous versions'.

Step 2 :

Select your operating system.

Step 3 :

Select Community version and press Download button.



The screenshot shows the 'Thank you for downloading PyCharm!' page. The URL in the browser is <https://www.jetbrains.com/pycharm/download/download-thanks.html?platform=mac&code=PCC>. The page has a dark header with the JetBrains logo and navigation links. Below the header, there is a 'Thank you for downloading PyCharm!' message. A note states: 'Your download should start shortly. If it doesn't, please use [direct link](#). Download and verify the file's [SHA-256 checksum](#).' There are two main sections: 'Getting Started' and 'New to PyCharm?'. The 'Getting Started' section includes a text input field for an email address to receive tips and tricks, a checkbox for agreeing to the terms, and a 'SUBSCRIBE' button. The 'New to PyCharm?' section lists several links: 'Installation Instructions', 'First steps', 'Meet PyCharm', 'Videos and Webinars', and 'Full-stack Web Development'.

Step 4 :

After downloading run the installer which will install pyCharm on our machine.