

# Python Install

## HOW TO

Quick guide to install Python and PyCharm for the Ambient Intelligence course



POLITECNICO  
DI TORINO

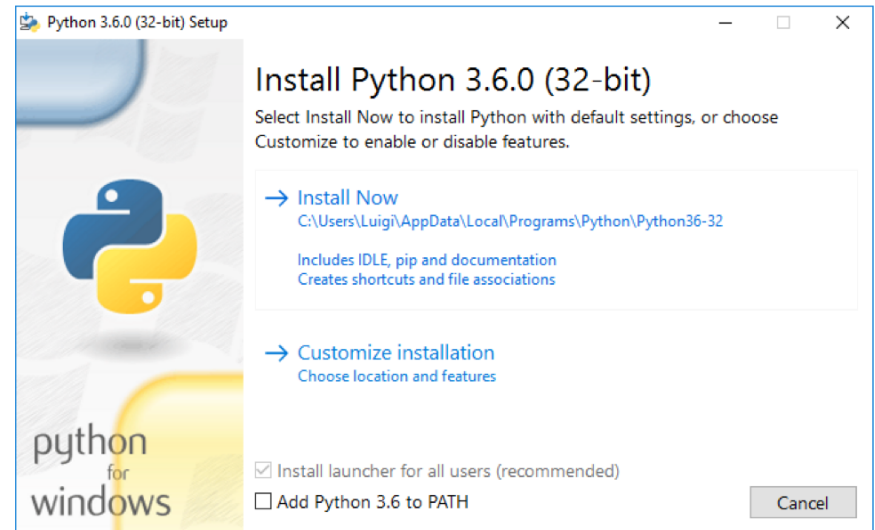


# Python 3.x Availability

- Available for the major platforms
- Linux
  - Typically preinstalled
    - or available through package manager
  - check
    - type "python3" in a terminal
- Windows / macOS
  - Should be explicitly installed

# Windows Installation

- Check the latest 3.x version
  - <http://www.python.org>
- Download the .exe installer
  - follow the wizard throughout installation
- Open-up a terminal
  - Win(+R) > cmd
  - python --version



```
C:\>python --version
Python 3.6.0
```

# macOS Installation

- Check the latest 3.x version
  - <http://www.python.org>
- Download the .pkg installer
  - follow the wizard throughout installation
- Alternatively, use homebrew
  - <https://brew.sh/>
  - `brew install python3`
- Open-up a terminal
  - spotlight > terminal
  - `python3 --version`



```
[luigi@gallifrey:~/ > python3 --version  
Python 3.6.0
```

# Integrated Development Environment (IDE)

A **software application** that provides comprehensive facilities to computer programmers for software development.

An IDE normally consists of a **source code editor**, **build** automation tools and a **debugger**.

Most modern IDEs offer Intelligent code completion features.

# Python IDE

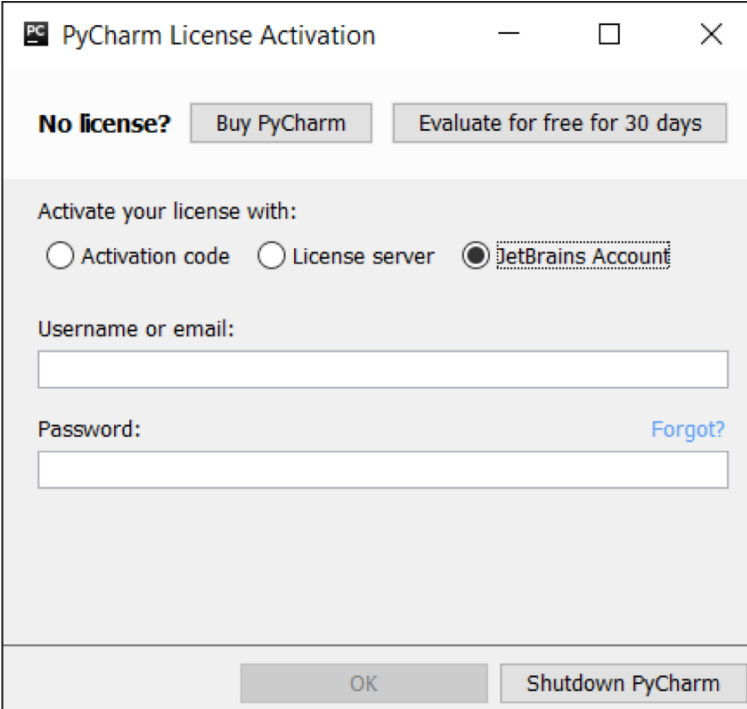
- Some choices available
- We use JetBrains PyCharm
  - Professional Edition
  - <https://www.jetbrains.com/pycharm/>
- PyCharm is a **commercial** product
- JetBrains provide a **free** license for students
  - <https://www.jetbrains.com/student/>
  - apply with your @studenti.polito.it e-mail address!

# PyCharm Installation

- Apply for a free JetBrains license
  - <https://www.jetbrains.com/student/>
- Download PyCharm Professional Edition
  - <https://www.jetbrains.com/pycharm/download>
  - available for Windows, Linux and Mac
- On Windows / Mac
  - double click on the downloaded file
- On Linux
  - extract the .tar.gz file where you want to install the IDE

# PyCharm Installation

- Open PyCharm
- Insert your JetBrains credentials



The screenshot shows the 'PyCharm License Activation' dialog box. At the top, there is a 'No license?' section with two buttons: 'Buy PyCharm' and 'Evaluate for free for 30 days'. Below this, the 'Activate your license with:' section has three radio button options: 'Activation code', 'License server', and 'JetBrains Account', with the latter being selected. Underneath are two input fields: 'Username or email:' and 'Password:'. A 'Forgot?' link is positioned to the right of the password field. At the bottom, there are two buttons: 'OK' and 'Shutdown PyCharm'.



# Questions?




**01QZP AMBIENT INTELLIGENCE**

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