

Installation of PyCharm Community Edition and executing Python codes

First install Python on Windows.

Python Installation on Windows 11

1. Download Python Installer

Visit the official Python website at python.org/downloads and download the latest stable Windows installer (64-bit recommended).

2. Run the Installer

Double-click the downloaded .exe installer file to launch the setup.

Important: Check the boxes for "Add Python to PATH" and "Install launcher for all users".

3. Customize or Install

You can choose "Install Now" for a quick setup or "Customize installation" for optional features (like pip, IDLE).

Click "Install" to begin.

4. Complete Installation

Wait until the "Setup was successful" message appears, then click "Close."

5. Verify Installation

Open Command Prompt and run:

```
python --version
```

to confirm Python is installed and accessible.

This installs Python with essential tools for script execution and package management on Windows 11.

Youtube Video for installation: <https://youtu.be/UvyWKHh3BcY>

To install PyCharm on a Windows 11 laptop and run Python code, follow this step-by-step guide. This covers both installation and first use with practical options for running scripts.

1. Download and Install PyCharm

Go to the official PyCharm website: <https://www.jetbrains.com/pycharm/download/>

PyCharm is now a single unified product combining Community and Professional editions. All users get a free one-month Pro trial on first use. After the trial, users can either subscribe to Pro for full features or continue using the core features for free, now including built-in Jupyter Notebook support. Current Professional users keep uninterrupted access to all Pro features within this unified product.

Double-click the downloaded installer to launch it.

Follow the setup wizard:

- Click “Next” on the welcome screen.

- Select or keep the default installation folder.

- Choose options such as “Create Desktop Shortcut,” “Add launchers dir to the PATH,” and “Associate .py files” as preferred.

- Click “Install” to begin installation.

Wait for installation to complete, then click “Finish”.

2. Initial PyCharm Setup

On first launch, select a theme (Light or Dark) and configure settings as prompted.

Set up a Python interpreter by linking to your local Python installation (PyCharm will prompt if not detected automatically).

3. Creating and Running Your First Python Script

Start PyCharm from the Start menu or desktop shortcut.

Create a new project: “File” > “New Project,” set project location and interpreter.

Right-click the project folder in the Project panel: “New” > “Python File” to create a script (e.g., hello.py).

Write sample code, for example: `print("Hello, PyCharm!")`

To run the script, use any of these methods:

- Click the green run arrow beside the script or in the top menu.

- Right-click on the editor and select “Run 'script name'.”

- Press Ctrl+Shift+F10 on your keyboard.

PyCharm will execute your program and display output in the “Run” panel at the bottom of the IDE.

Youtube video on Installation:

https://youtu.be/Tmu_fkFwlvw