Setting Up Your Environment in PyCharm: A Comprehensive Guide

Introduction

PyCharm, developed by JetBrains, is a robust integrated development environment (IDE) widely used for Python programming. Its rich features, including intelligent code assistance, debugging, and version control integration. The most important thing that TensorFlow Developer Certificate require to use PyCharm as the IDE

Step-by-Step Environment Setup

Assuming you've already created a virtual environment for your project, follow these steps to set up your environment in PyCharm:

Very Easy Way

1. Ensure your virtual environment is activated.
2. Click the "Install requirements" button on any pop-up suggesting package installation.
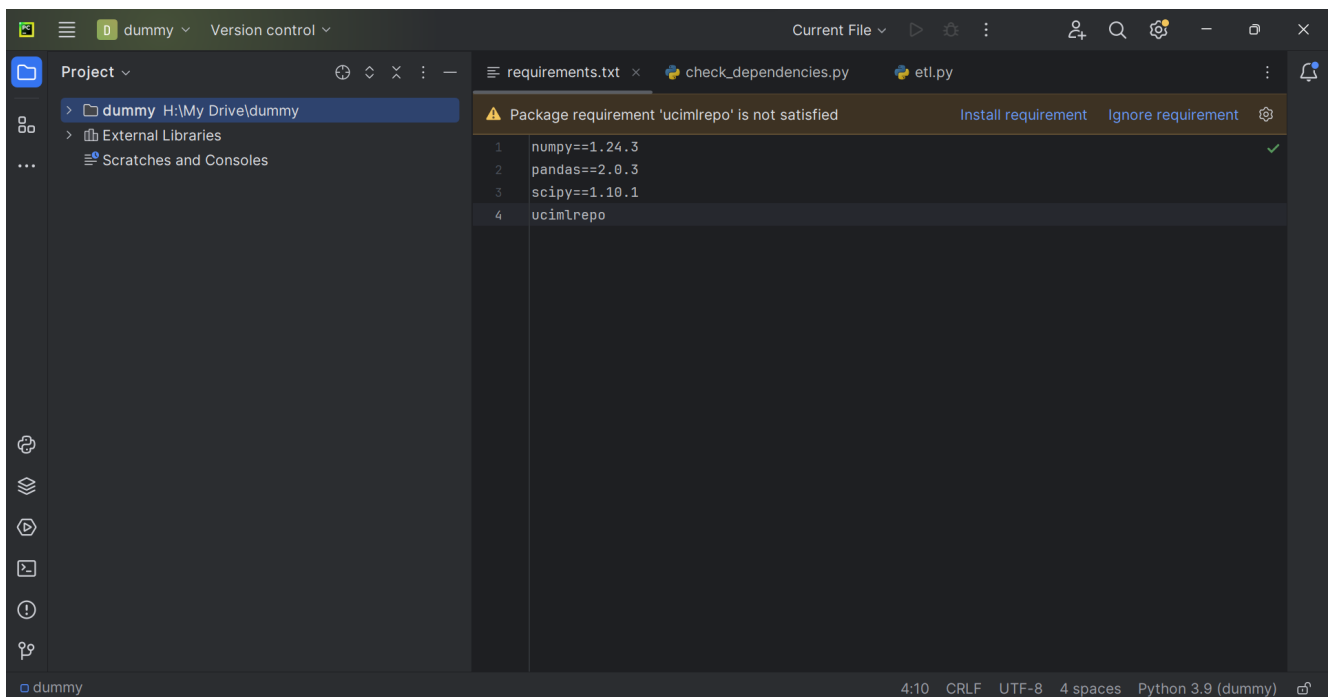

Image 1: Sample display when the pop-up comes up

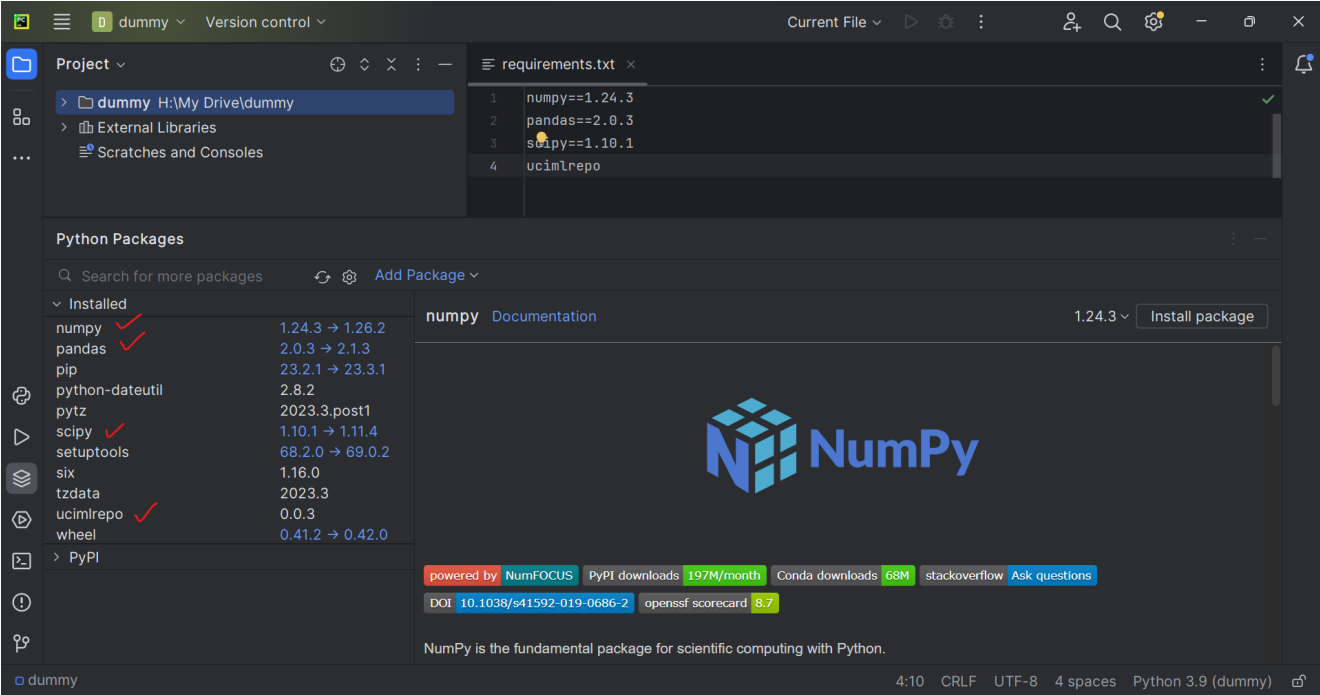3. Check the installed package.

Image 2: Checking the installed package

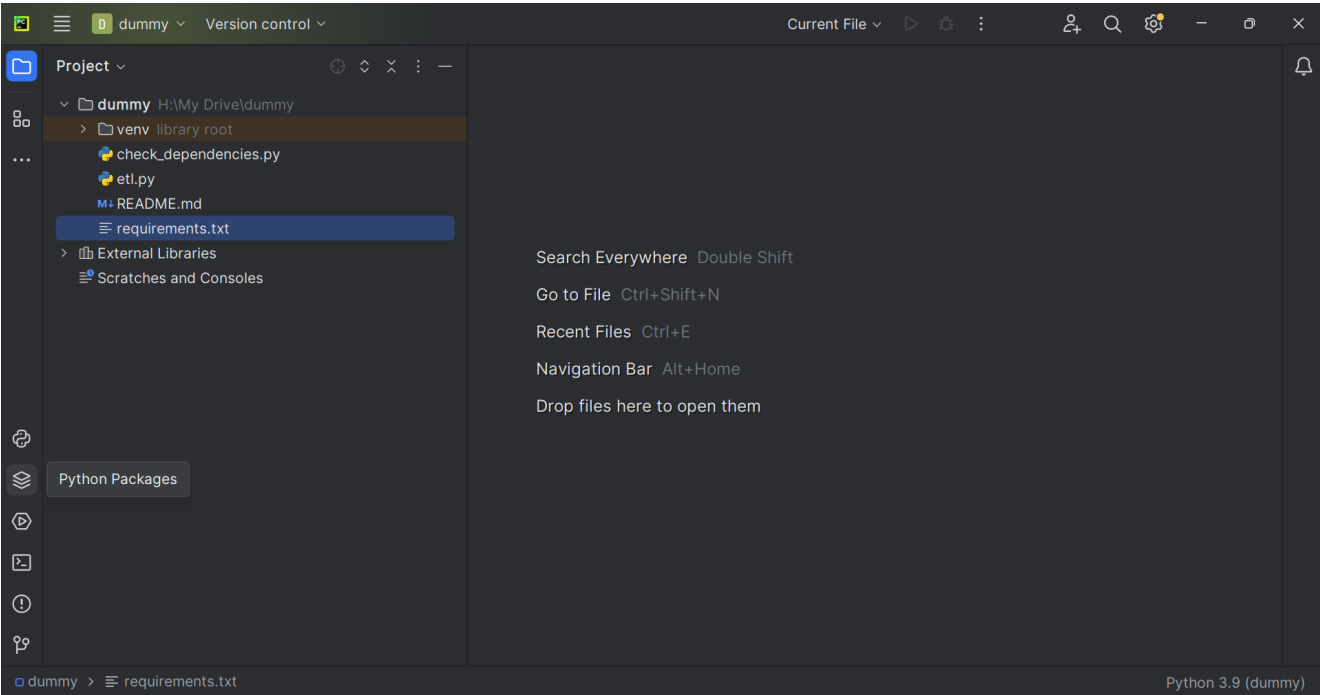## Easy Way

1. Navigate to the lower-left corner of PyCharm.

Image 3: Go to package tool

2. Check the current installed package.

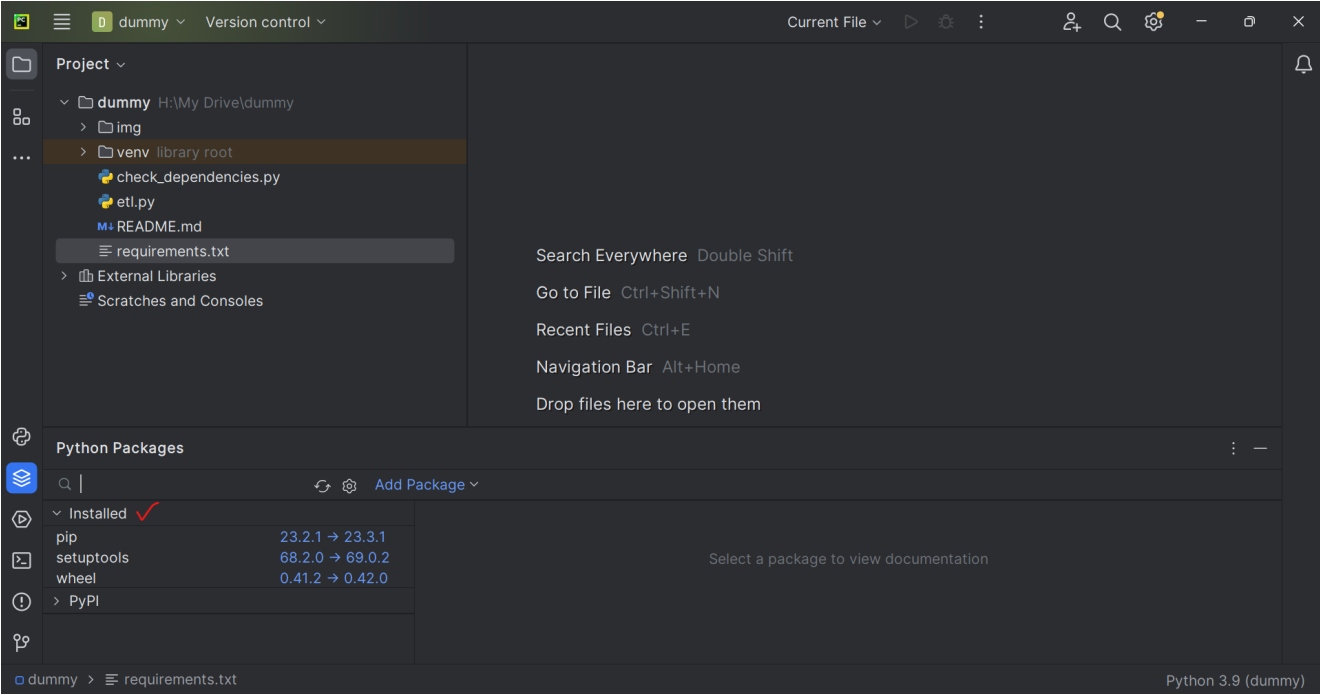Image 4: Checking the current installed package

3. Type the desired package name.

4. Choose the version (install the latest if not specified).
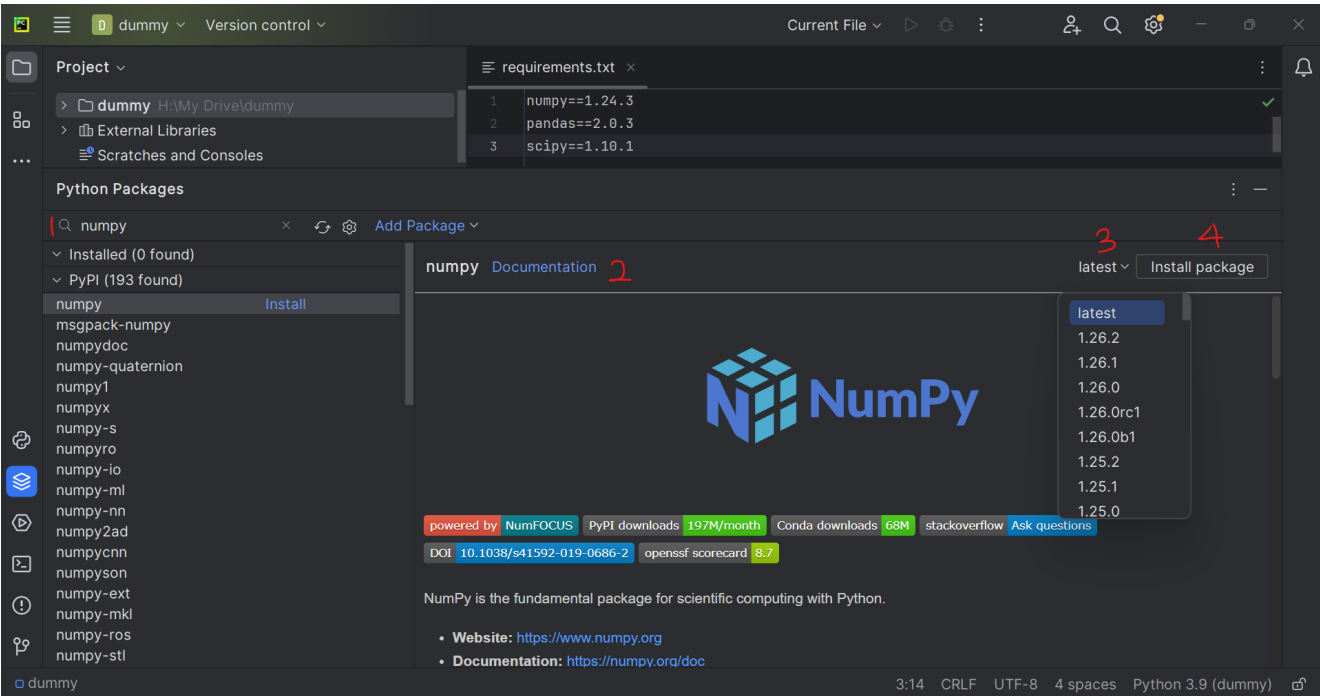
5. Click "Install."

Image 5: Step by step using package tool to install python package
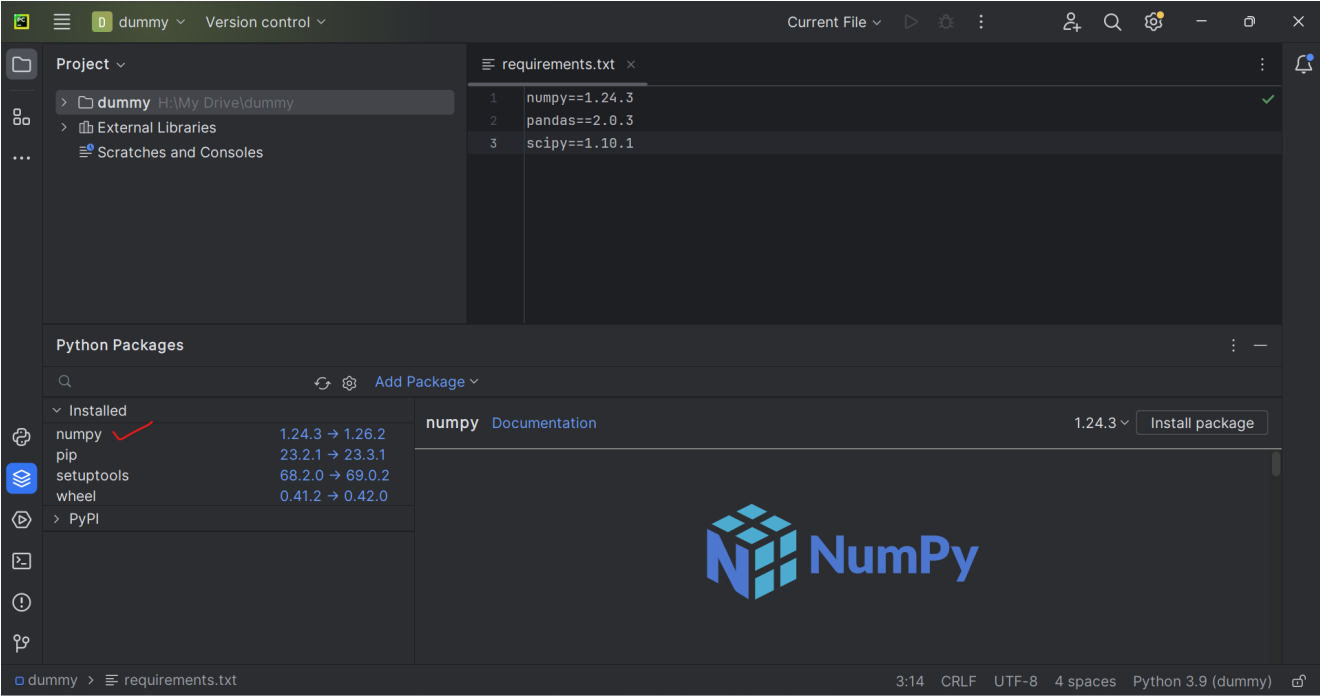
6. Verify current dependencies.

Image 6: Verify installed dependencies

Alternative Easy Way

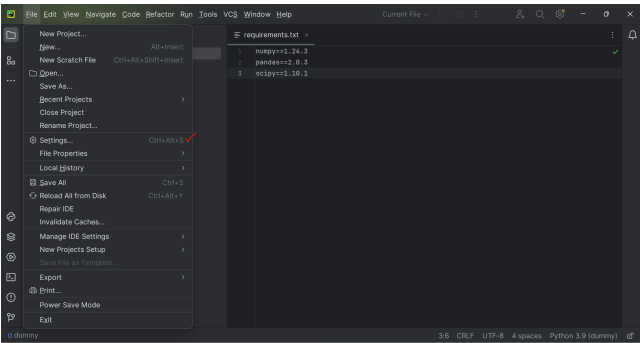1. Go to File > Settings > Project Name > Interpreter.
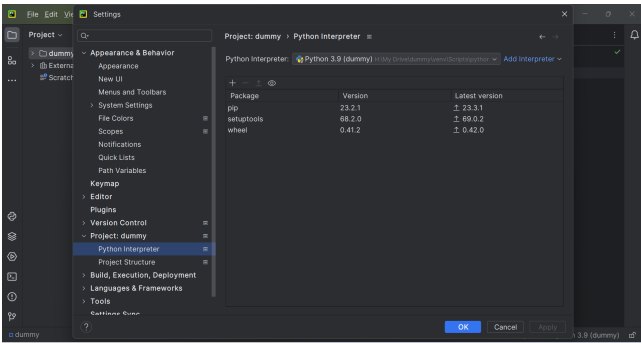

Image 7: Find Settings

Image 8: The display of package settings

2. Click + sign.

3. Type the package name.
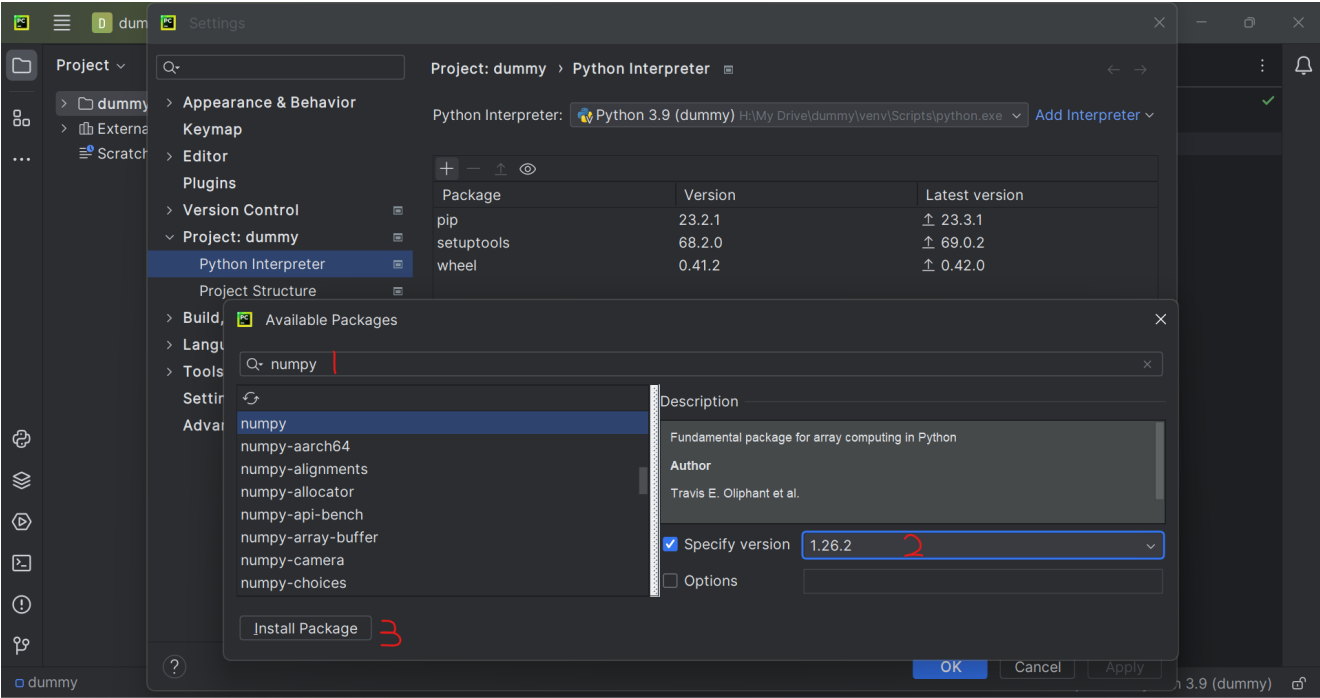
4. Choose the version.

5. Click "Install."

Image 8: Step by step install specified package (step 2-4)
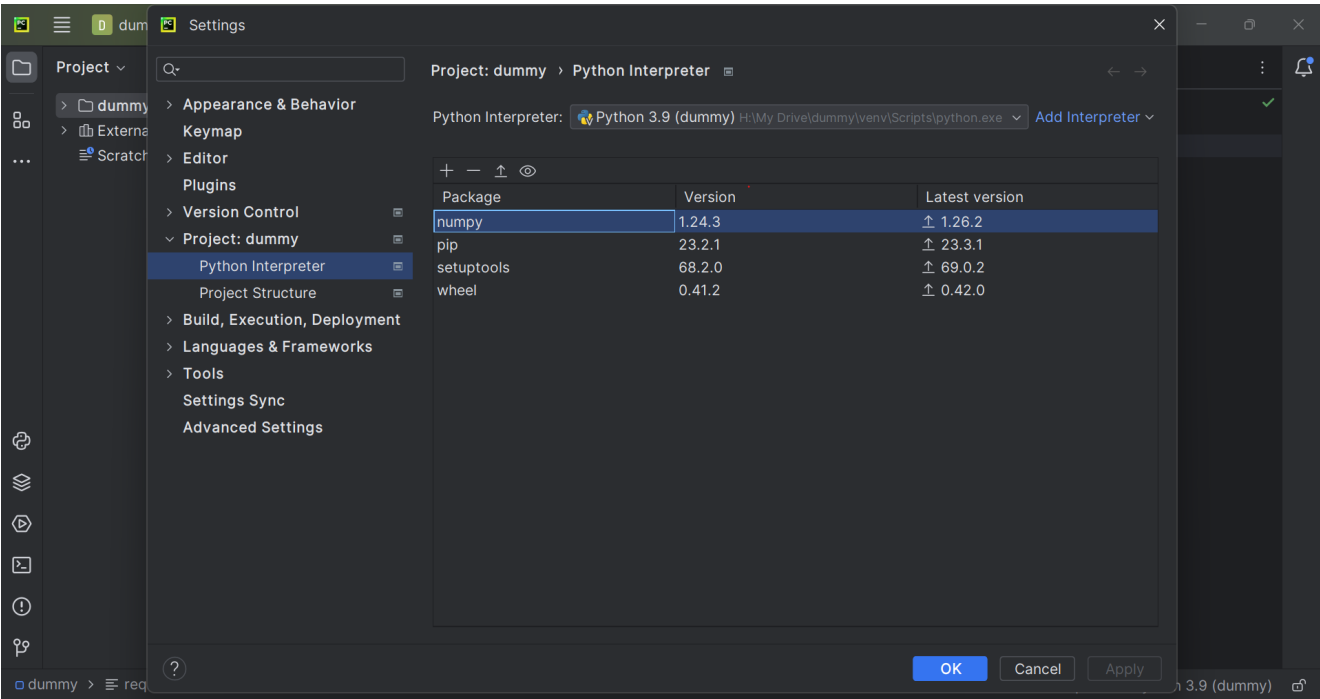
5. Verify current dependencies.

Image 9: Verify the installed package

Professional Way:

1. Open the terminal within PyCharm.

2. Check installed packages by typing `pip list`
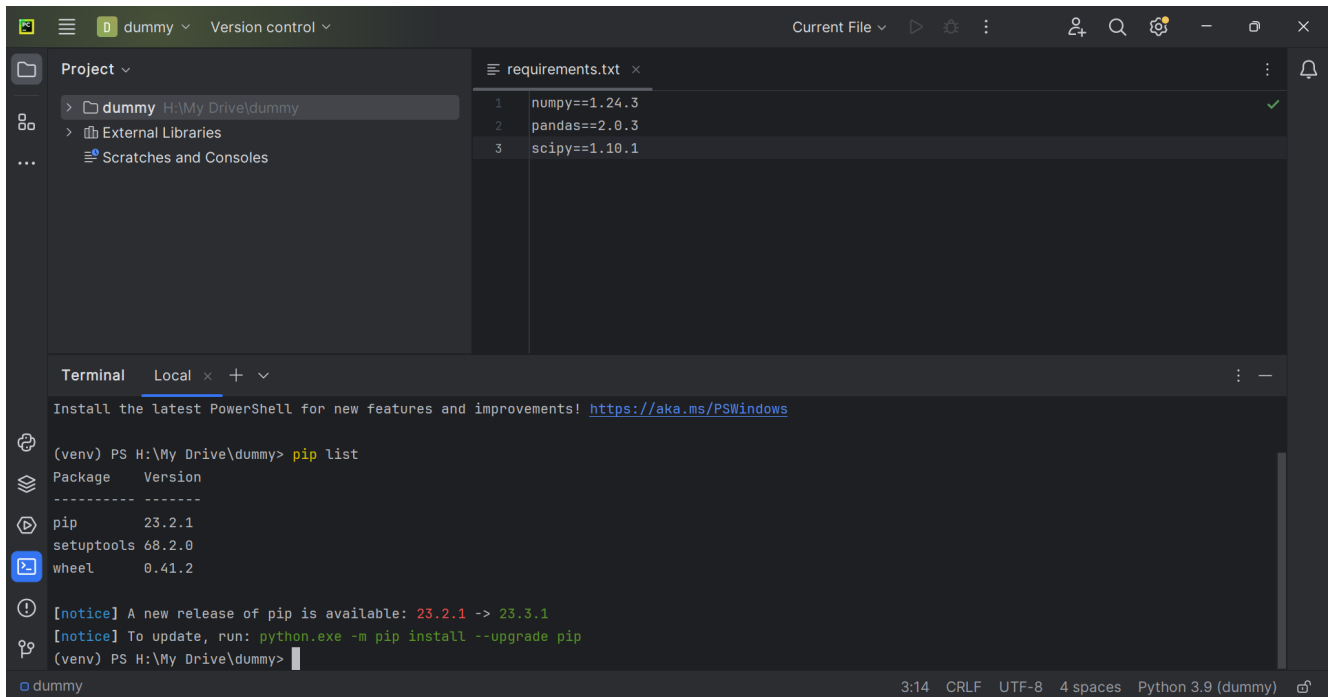
Image 10: Check current dependencies

3. Install packages, with 2 options: - One-by-one using `pip install <package_name>==<version>`; Example: `pip install numpy==1.24.3` - Bulk install from a requirements file using `pip install -r requirements.txt`.
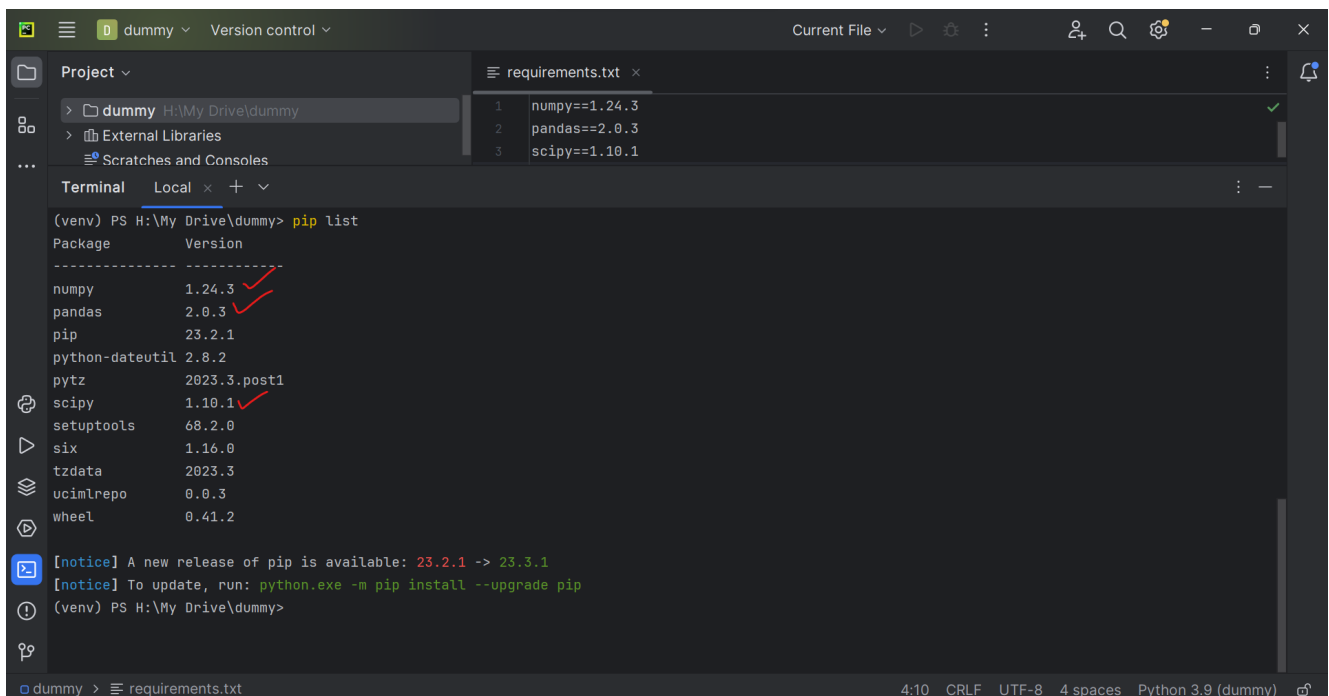
4. Verify current dependencies.

Image 10: Check installed package

By following these steps, you'll have a well-configured development environment in PyCharm, ready for your project / Exam.