Setup Django

**Step 1: Install Django**

Ensure Django is installed in your Python environment. If you haven't installed it yet, you can do so using pip:

pip install django

**Step 2: Verify the Installation**

Check that Django is installed correctly by running:

python -m django --version

This should print the version of Django you have installed. If it doesn't, you may need to adjust your PATH or virtual environment settings.

**Step 3: Ensure django-admin is in PATH**

The django-admin script should be in your PATH. Depending on how Python and Django are installed, you might need to adjust the PATH environment variable.

**For Windows**

1. Find the path to the Scripts directory in your Python installation, typically something like:

C:\Users\YourUsername\AppData\Local\Programs\Python\PythonXX\Scripts

1. Add this path to your system's PATH environment variable:
   * Open the Start Search, type in "env", and select "Edit the system environment variables".
   * In the System Properties window, click on the "Environment Variables" button.
   * In the Environment Variables window, select the "Path" variable in the "System variables" section and click "Edit".
   * Click "New" and paste the path to the Scripts directory.
   * Click OK to save and close all the windows.
2. Open a new command prompt and try running django-admin again.

**For macOS and Linux**

1. Find the path to the bin directory in your Python installation, typically something like:

/Users/YourUsername/.local/bin

or

/usr/local/bin

1. Add this path to your PATH environment variable by editing your shell configuration file (~/.bashrc, ~/.bash\_profile, ~/.zshrc, etc.):

export PATH=$PATH:/Users/YourUsername/.local/bin

1. Reload the shell configuration file:

source ~/.bashrc # or the relevant file for your shell

1. Open a new terminal window and try running django-admin again.

**Step 4: Use the Full Path to django-admin**

If the above steps do not work, you can try running django-admin using the full path to the script. For example, on macOS or Linux:

python3 -m django --version

python3 -m django startproject myproject

On Windows, you might need to use:

python -m django --version

python -m django startproject myproject

**Step 5: Activate Virtual Environment (if used)**

If you are using a virtual environment, make sure it is activated. The virtual environment should place the django-admin script in your PATH automatically:

# For Windows

venv\Scripts\activate

# For macOS and Linux

source venv/bin/activate

After activating the virtual environment, try running django-admin again.

**Step 6: Reinstall Django**

If none of the above steps work, try reinstalling Django:

pip uninstall django

pip install django

**Summary**

1. Ensure Django is installed.
2. Verify the installation with python -m django --version.
3. Ensure django-admin is in your PATH.
4. Use the full path to django-admin if necessary.
5. Activate your virtual environment if using one.
6. Reinstall Django if needed.

By following these steps, you should be able to get the django-admin command working on your system.