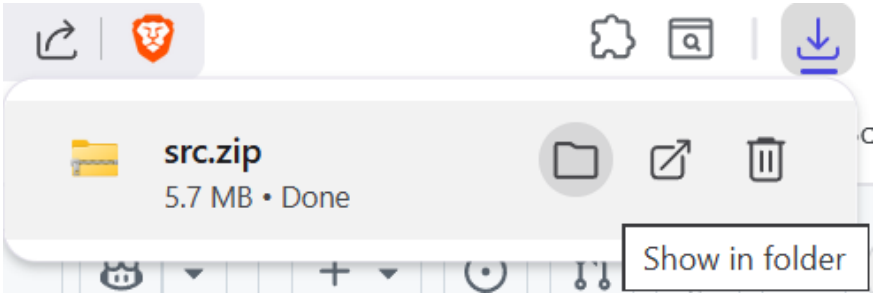
How to get started

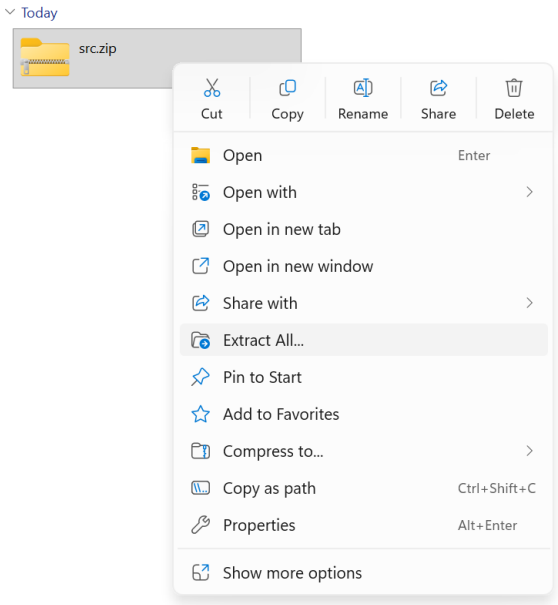
To follow this tutorial, make sure you have a stable internet connection

1. Find the package on GitHub:
   - Type https://github.com/victorezeilo/image-processing/releases in your browser
   - Download src.zip

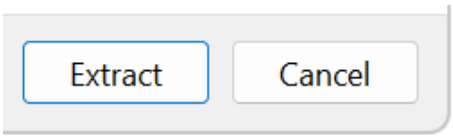
2. Click “Show in folder”. It may look a bit different in your browser



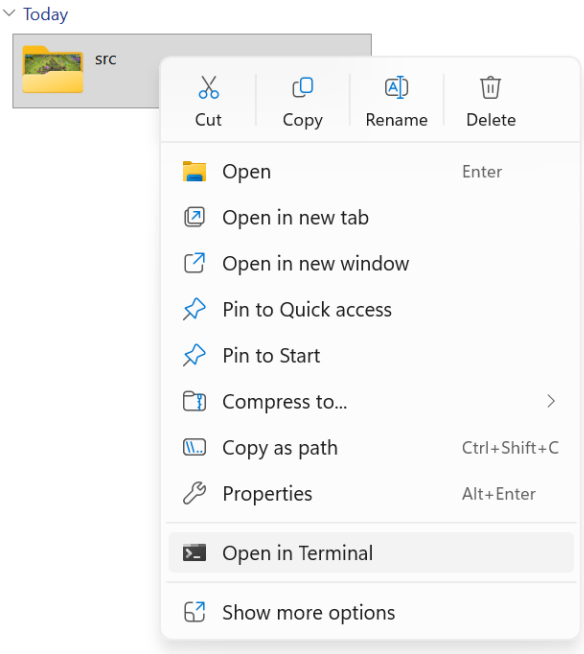
3. Right click on src.zip and click “Extract all”



4. Click on “Extract”. You may choose a different folder if you want.



5. Right click on the “src”-folder and click select “Open in Terminal”. Make sure that you are inside a folder that is also called “src”.



6. Install Python. If you know that you have Python ≥ 3.10 installed, you can skip this part.
   - Paste: winget install "Python 3.14" into you terminal. If unsure how to paste, try pressing SHIFT + INSERT or CTRL + SHIFT + V.
   - Verify that python is installed by typing python --version and it prompts you with Python 3.14

```
C:\Users\r\Downloads\src\src>python --version
Python 3.14.2
```

7. Install OpenCV. Paste python -m pip install opencv-python into your terminal. It should look like this.

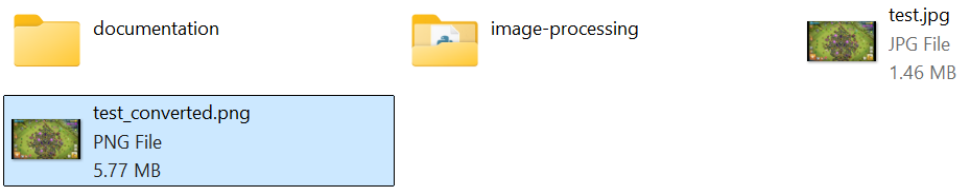
```
C:\Users\r\Downloads\src\src>python -m pip install opencv-python
Collecting opencv-python
  Using cached opencv_python-4.13.0.92-cp37-abi3-win_amd64.whl.metadata (20 kB)
Collecting numpy>=2 (from opencv-python)
  Using cached numpy-2.4.2-cp314-cp314-win_amd64.whl.metadata (6.6 kB)
Using cached opencv_python-4.13.0.92-cp37-abi3-win_amd64.whl (40.2 MB)
Using cached numpy-2.4.2-cp314-cp314-win_amd64.whl (12.4 MB)
Installing collected packages: numpy, opencv-python
Successfully installed numpy-2.4.2 opencv-python-4.13.0.92

[notice] A new release of pip is available: 25.3 -> 26.0.1
[notice] To update, run: python.exe -m pip install --upgrade pip
```

8. Try it out!

- For example, paste
  python -m image-processing.main convert --source test.jpg --destination test_converted.png --format png --compression medium
  into the terminal.

  Then paste explorer . into the terminal to see the result. A new file named "test_converted.png" should appear.



- You could also try typing:
  python -m image-processing.main resize --source test.jpg --destination test_resized.jpg --height 1080 --width 1920
  You should then have a file called "test_resized.jpg" that is 1920 x 1080 pixels.