This Python script uses **OpenCV (cv2)** to perform **real-time face detection** using your webcam. It captures live video, detects faces using Haar Cascade Classifier, and displays the result in a frame with rectangles drawn around detected faces.

🔧 **Required Tools and Libraries**

Tool / Library	Purpose
Python	Programming language used for scripting.
OpenCV (cv2)	Library used for image and video processing.
Haar Cascade File	Pre-trained XML file used for detecting faces.
Webcam	For capturing live video feed.

✅ You can install OpenCV using this command:

```
pip install opencv-python
```