

- Go to the terminal  
Type → *conda activate your environment name*  
*(Click Enter)*  
*pip install opencv-python==3.4.2.16*  
*(Click Enter)*  
*pip install opencv-contrib-python==3.4.2.16*  
*(Click Enter)*
- If you don't have a library called 'pillow' installed, Install it by  
*pip install pillow*  
*(Click Enter)*
- Then open the notebook in Jupiter notebook and update the paths in the first two lines. Then, run it.
- Watch the video to understand the implementation.
- Use a dark (Black) background for the photos of the hand.
- Don't use pins as landmarks as they can misguide the program.
- Try to use a same frame for all the photos.
- Collect the training data at one go. It will save your time.
- Whenever a training image is added to the database, train the program before testing with another photo.