<https://www.pyimagesearch.com/2017/08/21/deep-learning-with-opencv/>

**Libraries Required**

OpenCV <https://www.pyimagesearch.com/2018/09/26/install-opencv-4-on-your-raspberry-pi/?fbclid=IwAR07vEjKD_AdD-xlshi37vQhWN8J7nlAWVKf8JRQ38ktlV6jgoKn6W2nf2Q>

Numpy

Argparse (built in)

Time (built in)

Os (built in)

Shutil *(built in)*

**How to:**

Open Terminal

Source ~/.profile

Workon cv

Python [filename]

**Run1**

Run below command from terminal.:(Same Directory)

Python deepl.py

To Change picture On line 22 & 23:

img\_org = "images/" #Path to image Directory w. r. to source directory

img\_name = "tig9.jpg" # Image Name

To change picture everytime

**Run2 :**

Python deep\_learning.py --image [image\_path\_from\_source\_directory]

**Output:**

When you run the program the image you given the input to the code will be copied to the another folder Path:

tig > for Run1

tig/image > for Run2

To change the destination folder change line 58 :

shutil.copy2(img\_org + img\_name, "tig/" + img\_name)

**Syntax: shutil.copy2(source, Destination)**

To display ON OFF output image toggle comment the line 64:

cv2.imshow("Image", image)