

CMPE 258
In-Class Exercise on CV Processing

1. Please have your video camera on during the entire session of this exercise. This requirement is mandatory. In the future exams and presentation, this will be the same requirement.
2. Have a blank printer paper, and write your first name, last name, course identifier (CMPE 258) and your SID on the top left of the paper as a tag.
3. Have your CV (Computer Vision) program ready for DCNN (Deep Convolutional Neural Networks) pre-processing. Show your program by listing it in pycharm or any of your preferred IDE window. Then execute this program.
4. Capture a screen image of your execution result with
 - a. the program listing in the window;
 - b. the image displayed on a openCV window;
 - c. be sure to have your identifier in the screen captured image, such as in a folder name, see example in Figure 1 below.
 - d. Use any online tool to convert this image to a pdf document 1.
5. Please draw a single neuron with 2 inputs, a transfer function $h(\cdot)$, and an activation function $f(\cdot)$ on your printer paper.
6. Then use your smart phone to take a photo of your answer on the printer paper. Convert this image to pdf document 2 with any online tool.
7. Now combine pdf document 1 and pdf document 2 into a single pdf document. This document with 2 pages, the first page is from pdf1 and the second page is from pdf2. Use the following naming convention to name your pdf document 3.
firstName_lastName_cmpe258_SID(4 digits)_exercise1.pdf
8. Zip this document with the same name but with file extension .zip, then submit this zip file to canvas.

Note: Please note this entire in-class exercise session requires each student to have video on and the video recording is on for the entire session.

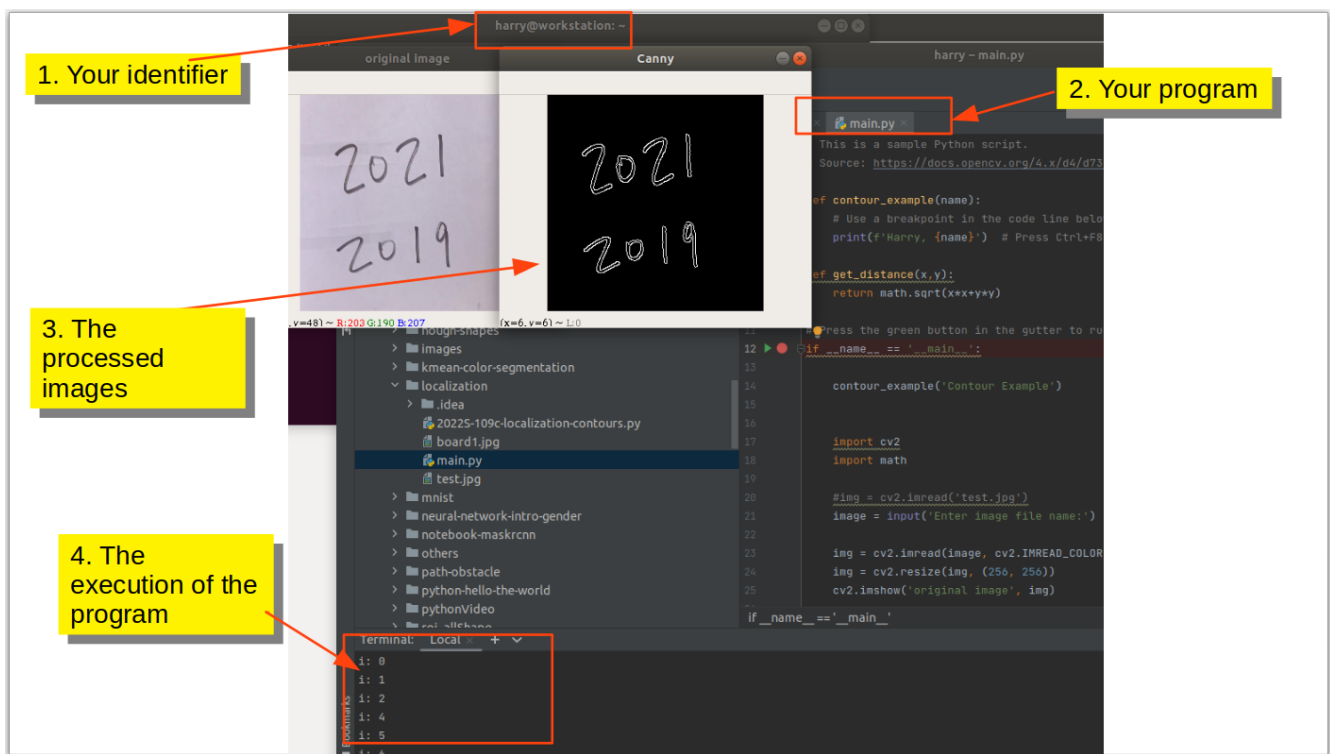


Figure 1. Sample of the Screen Capture Image.

(END)