Homework 1

1. Setup and get familiar with Python (Other language environments like Matlab or C++ are also welcome)

https://github.com/xuwd11/cs131_hws/tree/master/hw0

2. Computational Resources
Colab for Tensorflow:

https://codelabs.developers.google.com/codelabs/cloud-tensorflow-mnist#0

Colab for Pytorch:

https://pytorch.org/tutorials/beginner/colab.html

Virtual Lab at Wayne State University:

https://i.wayne.edu/view/6067a529cd044

High Performance Computing at Wayne State University:

https://tech.wayne.edu/hpc

3. Take a practice of basic image manipulation, such as color space visualization and image split, using your OWN IMAGES, such as your selfies or any images that you like.

Part 2 at
https://github.com/xuwd11/cs131_hws/blob/master/hw0/hw0.ipynb

If you choose to use other languages, please implement the same functions.

4. Have your results and codes in a SIGNLE PDF file, and hand in the PDF file to Canvas.