

Assignment 2

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- Libraries required -
 - OpenCV
 - Numpy
- Python Version - 3.6
- Put the input images in the "**Images**" folder. The output images are also saved in this "**Folder**".
- An existing set of sample outputs has been provided in the "**Results**" folder.

Instructions to run the code

- After running the code, there are 3 modes in which the user can operate.
 - Press **0** to exit the GUI.
 - Press **1** to move on to selecting points on the images corresponding to lines on the image which would be used for determining the vanishing line.
 - Press **2** to enter "**developers mode**" wherein there is no need to select the points. A set of points have been provided in the code corresponding to which the results are displayed on the screen and are also saved in the "**Results**" folder.

Note to Teaching Assistants

For the ease of testing out the code, we would really recommend that the teaching assistants evaluating this assignment run the code in "**developers mode**" since everything has been automated in that mode and the only thing that is required to be selected is the point p on line L corresponding to which the set of parallel lines are to be computed.