

How to Run the Program.

1. Open Terminal/Cmd
2. Enter command “python3 assignment1.py test1.txt test1.jpg”
(argument 1 is text file and argument 2 is image file)
3. Final image window will appear ,press any key to close all window.

Alogrithm.

1. Loading the image in image
2. calling readCorner function,readCorner will read the text file and store the coordinates in coordinate list and return the coordinate list in src_pts
3. Extracting the coordinate points and storing it in pts1 as required.
4. Calling getPerspectiveMatrix , getPerspectiveMatrix get two arguments source points and destination points and return homography matrix.
- 5.Then using wrapPerspective method we get final image

NOTE:- In .txt file coordinate are written in anticlockwise way.

Example:-

x1
y1
x2
y2
x3
y3
x4
y4

