Note: This code makes the following assumptions: -

1. It reads images from the folder /images/sample2/ this can be changed in the **test_script.m** file to any other user defined folder like /images/sample5/ and so on
2. All images in the folder must be in order and named with subscript like “image1.jpg” “image2.jpg” “image3.jpg” where “image1” is the left most part of the panorama, image2 the middle and image3 the right most part of the panorama (note: file format is jpg, can be changed from test_script.m)
3. Image output is in folder ‘output’
4. No 3rd party code
5. To reproduce the results run the script, **test_script.m**

Consider the use case of the stitching the following set of images

Testcase 0 (/images/sample0/)

Image1 (hou1.jpg)

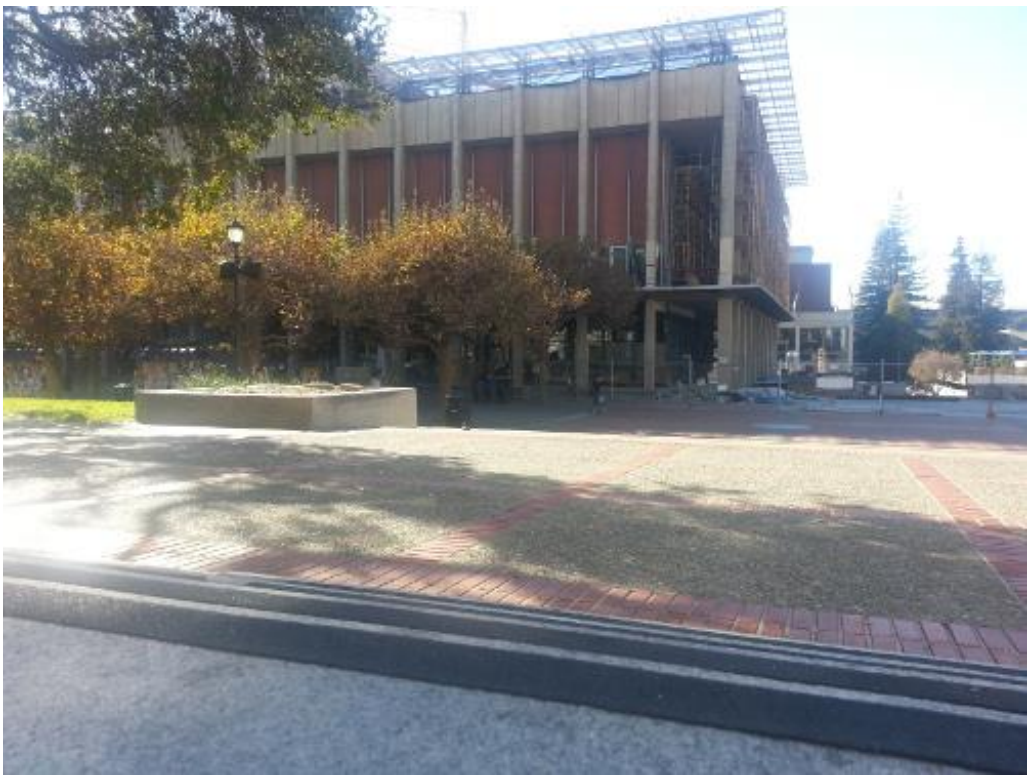
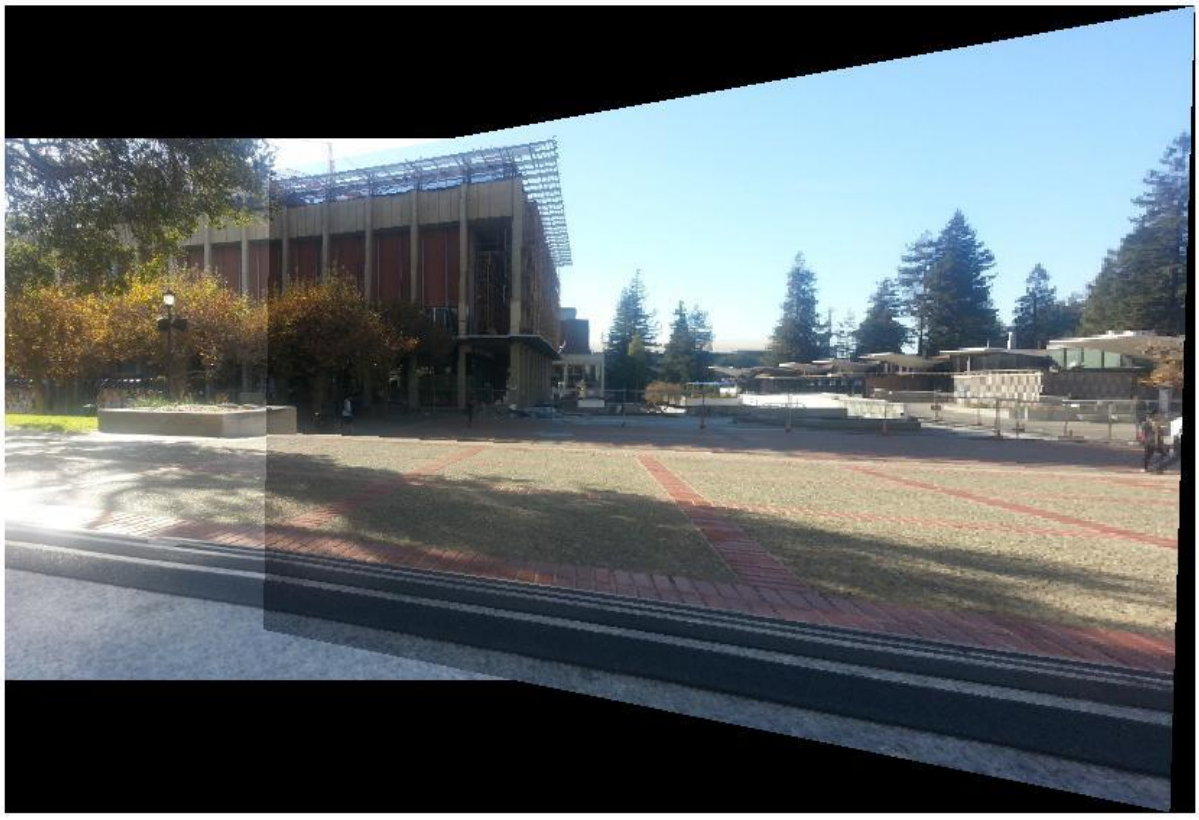


Image 2 (hou2.jpg)



Test case 1 (/images/sample1/)

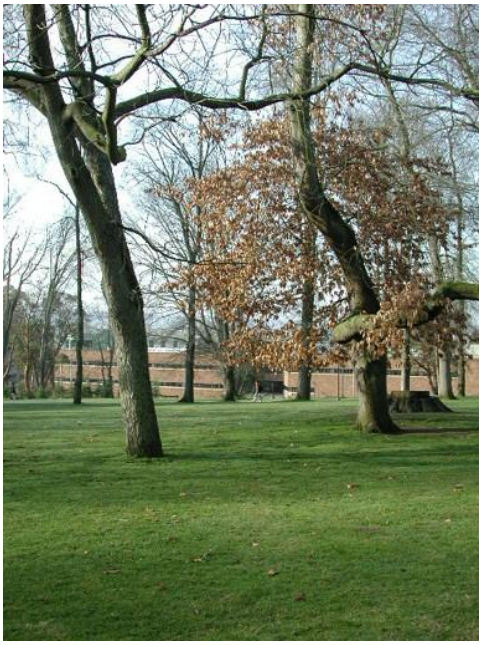
Image1 (pier1.jpg)

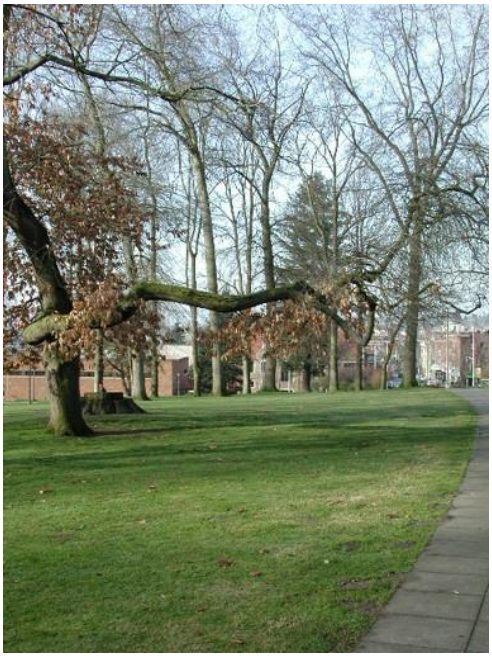
Image2 (pier2.jpg)

Image 3 (pier3.jpg)

Final stitched image

Testcase3 (/images/sample3/)





Output

Now consider the intermediate pictures of the above test case (#1)

Corner detection

Image1

Image2

Image 3

ANMS

Image1

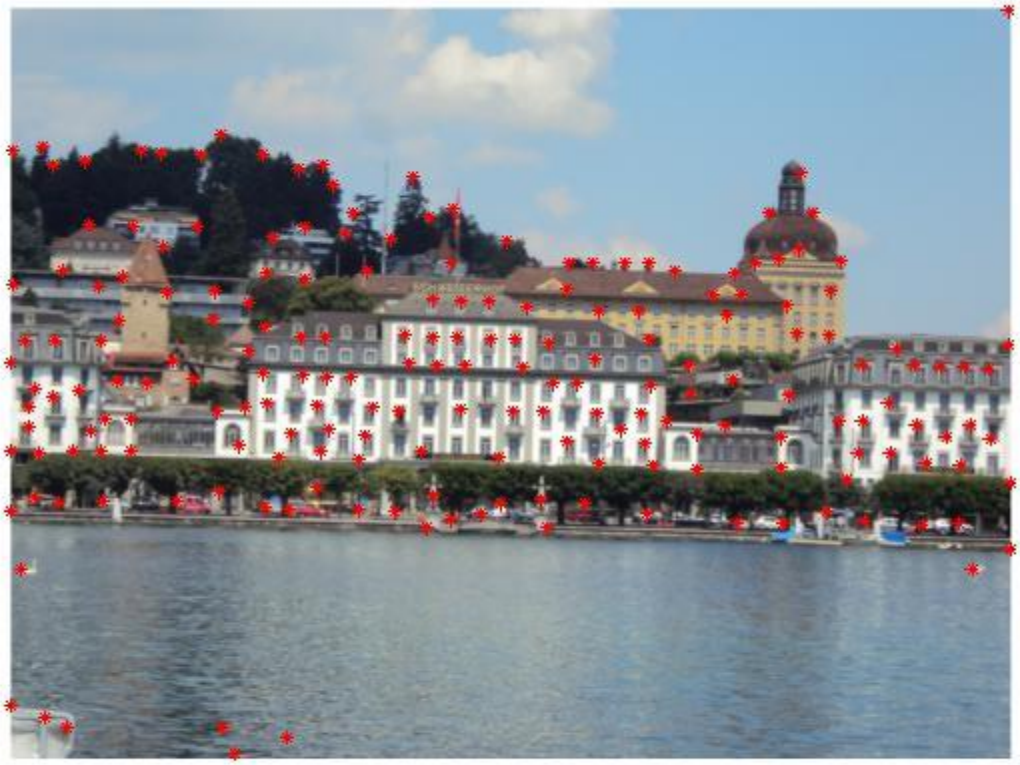


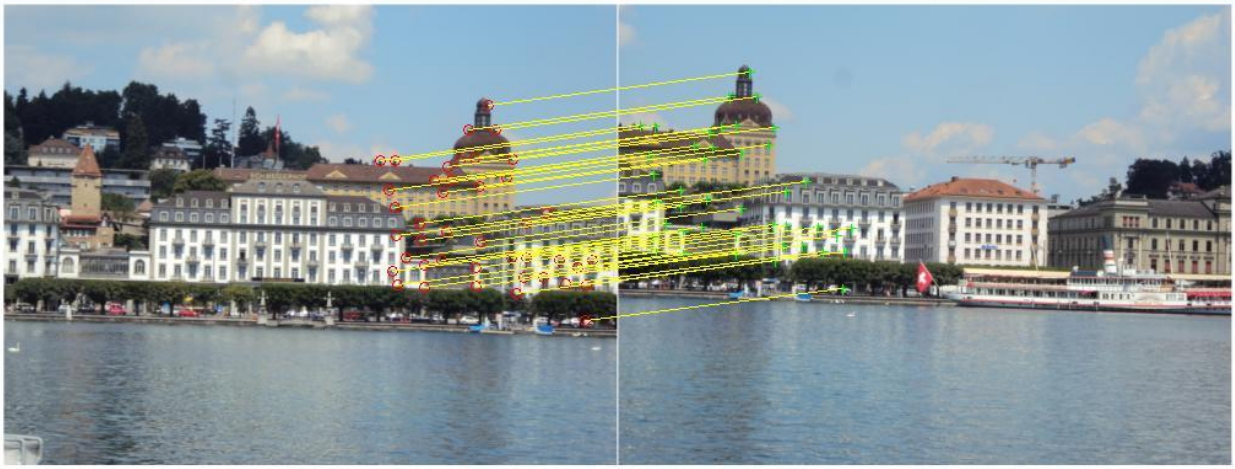
Image 2

Image3

Matchings after ransac, image 2 and 3

Inliers/outliers for this matching

Matchings after ransac image 1 and 2



Inliers/outliers of this matching