CS-898 BA- Image Analysis and Comp Vision Assignment-1

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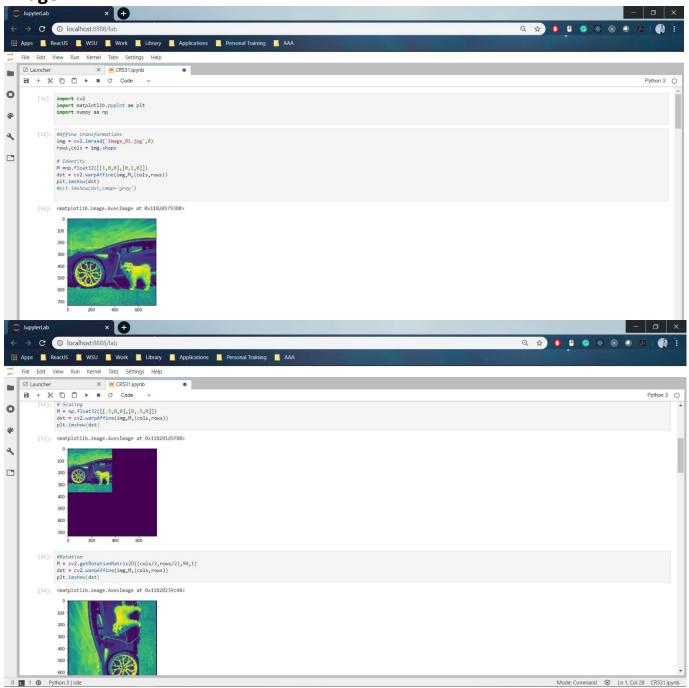
Task-1

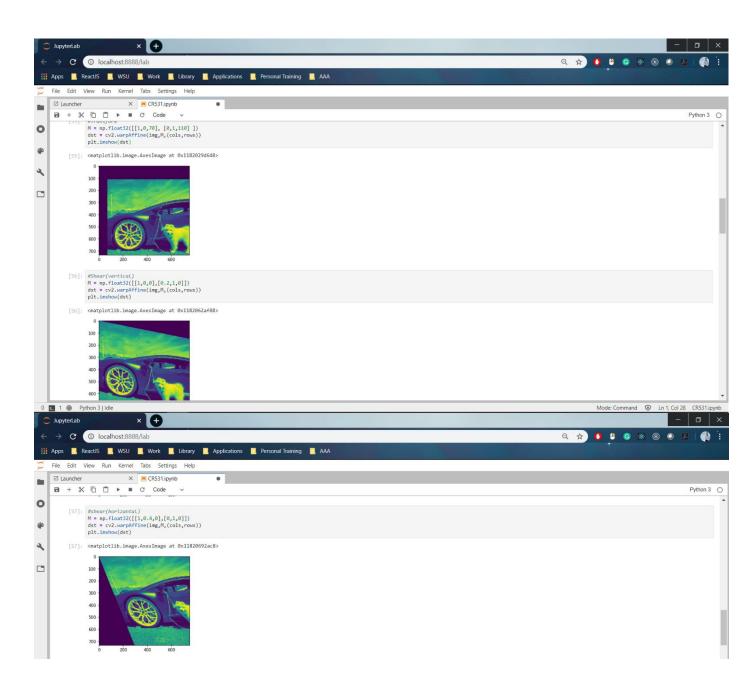
Apply affine transformations to the set of 10 images collected from the web to augment the dataset. (50 points)

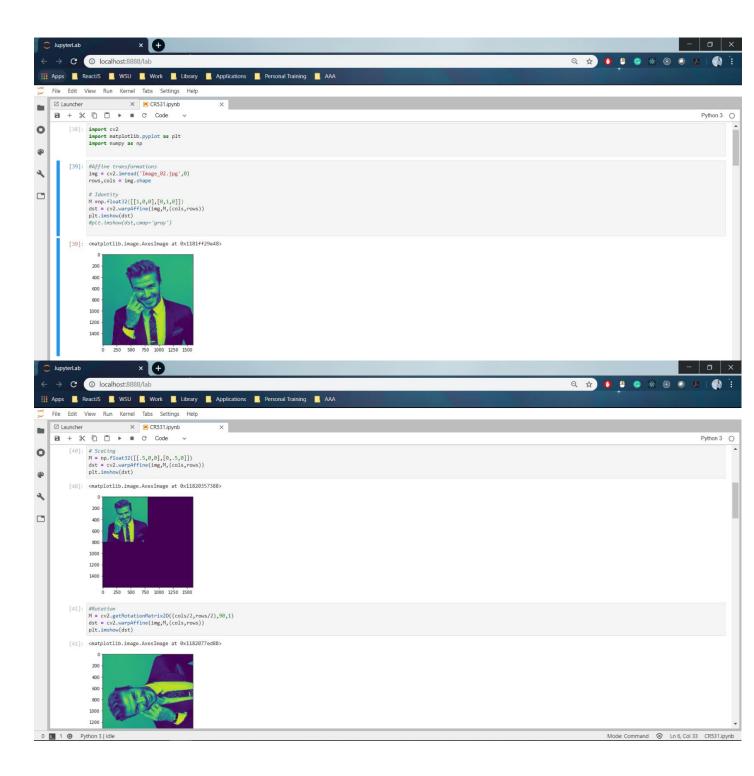
Below attached are the screenshots of Affine Transformations

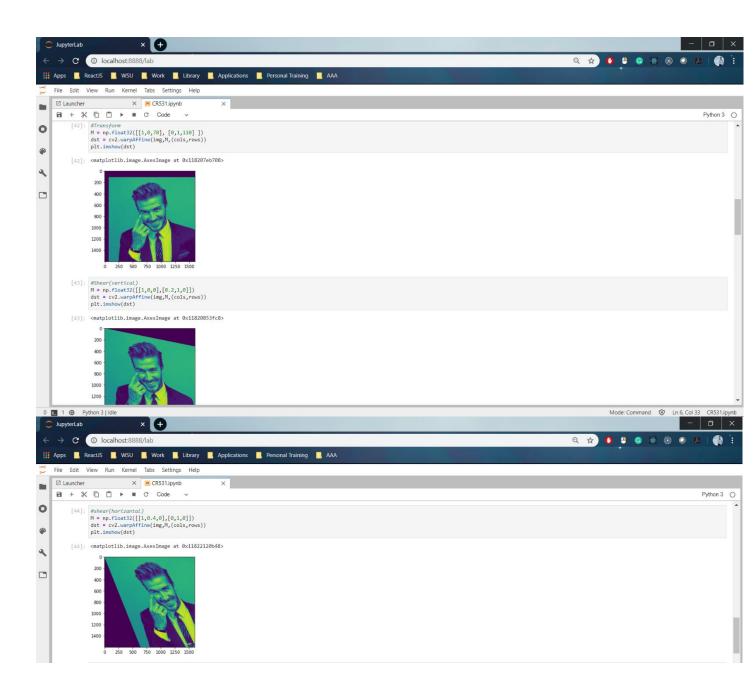
- -Identity
- -Scaling
- -Rotation
- -Transform
- -Shear Vertical
- -Shear Horizontal

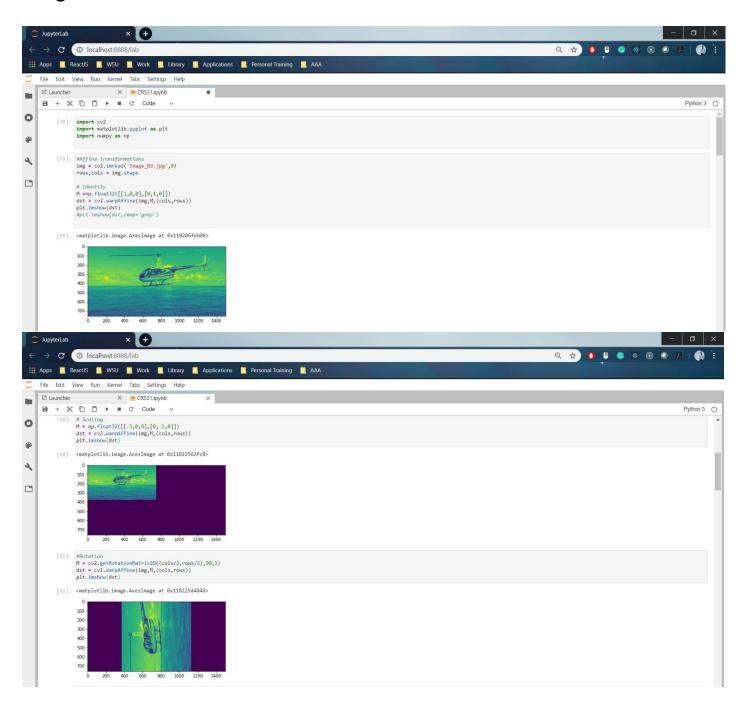
All the transformations are done for 10 different images.

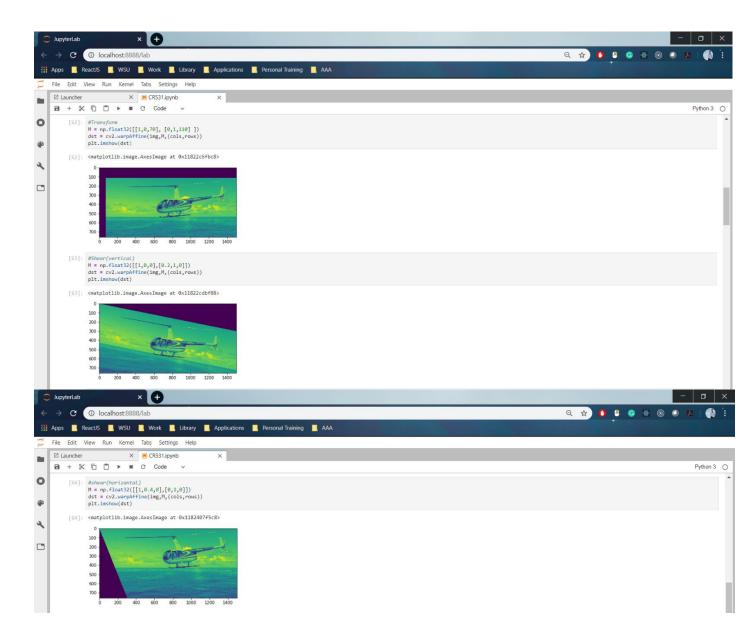


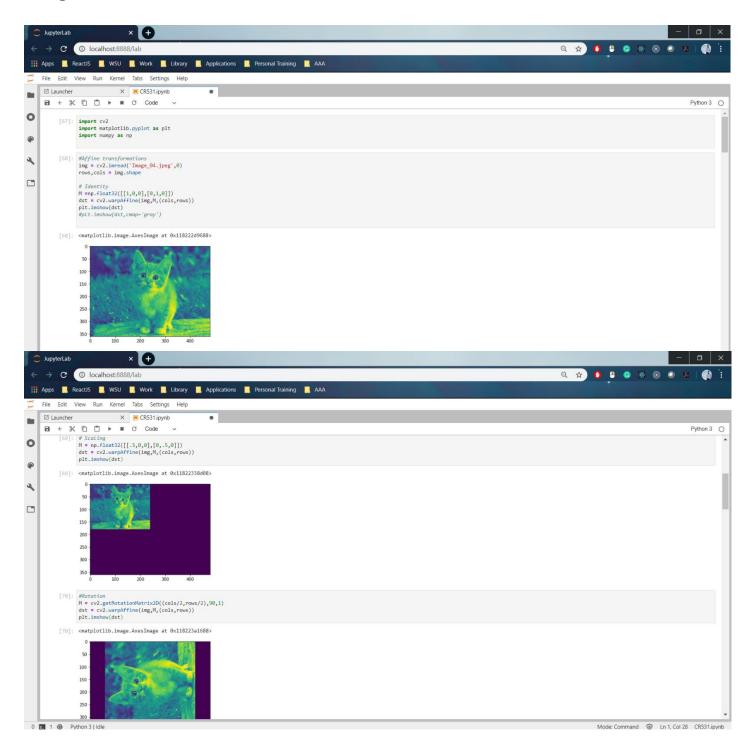












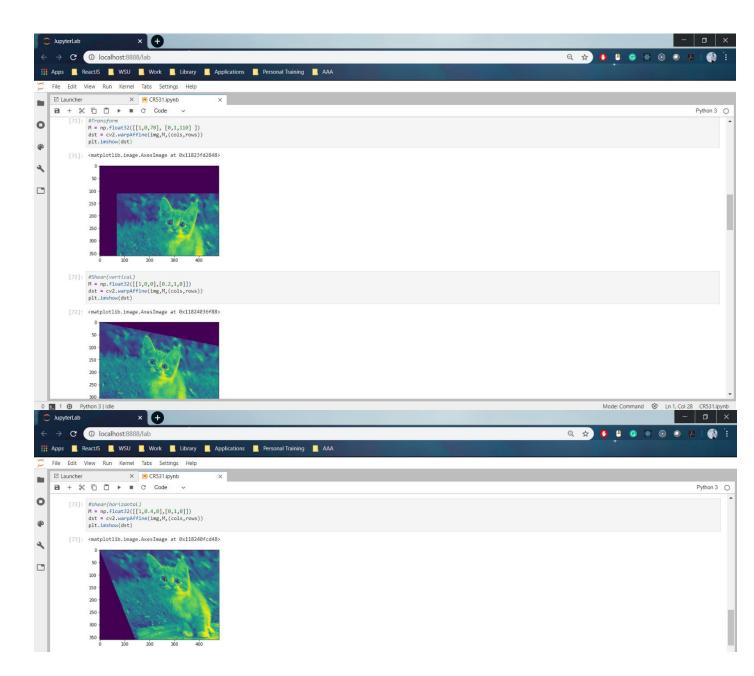
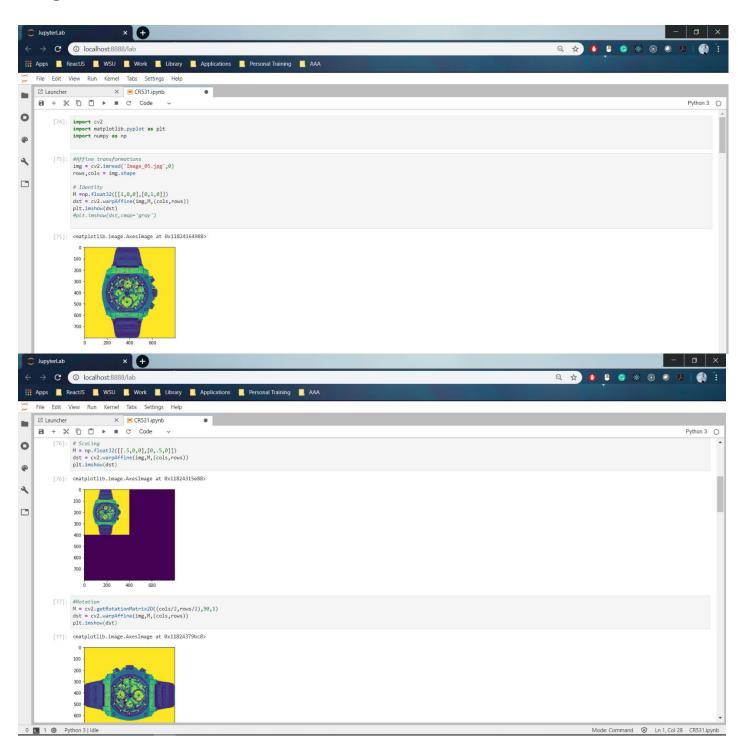


Image – 5



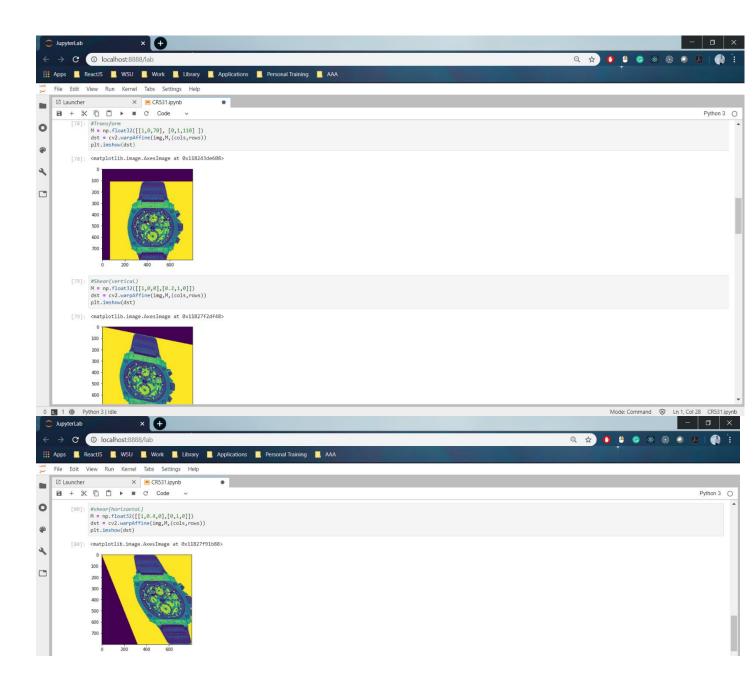
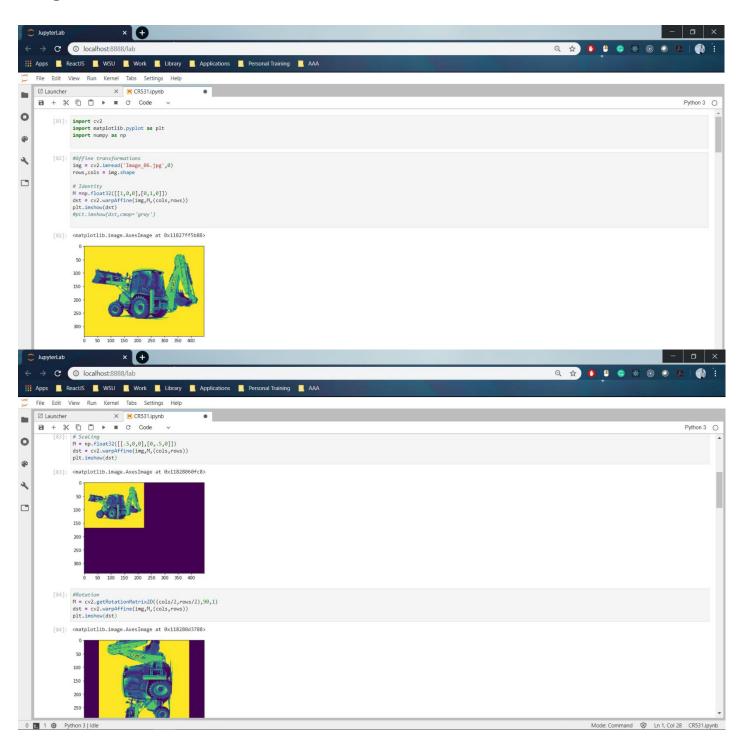
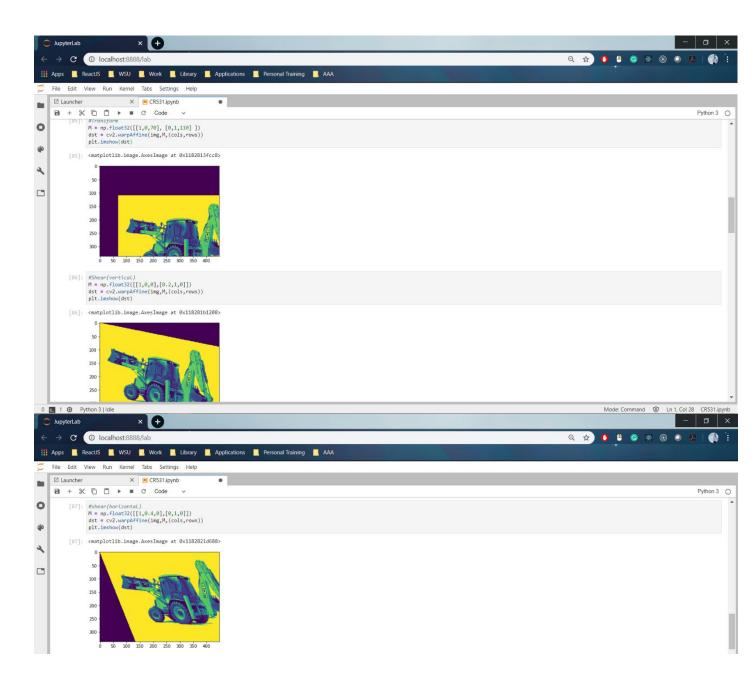
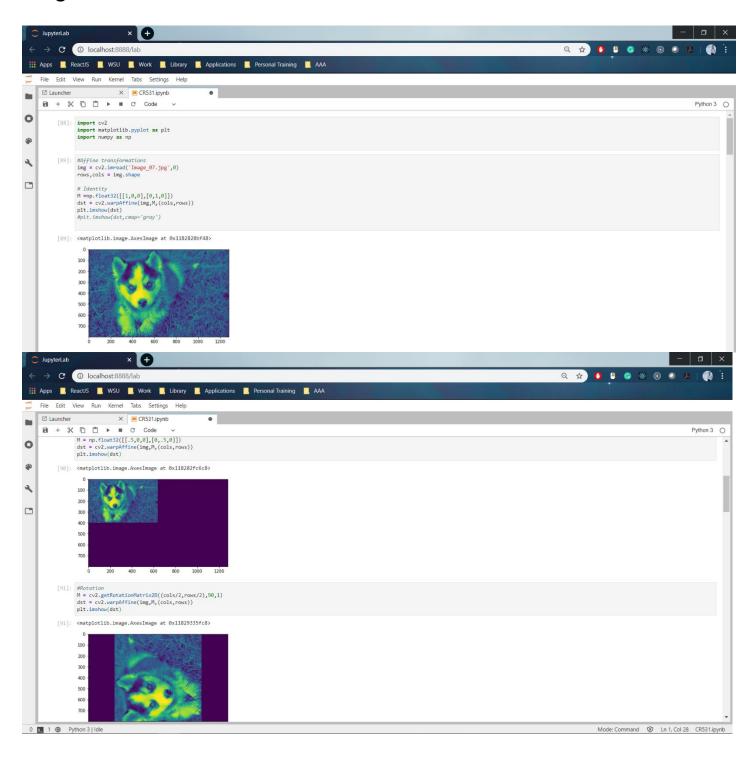
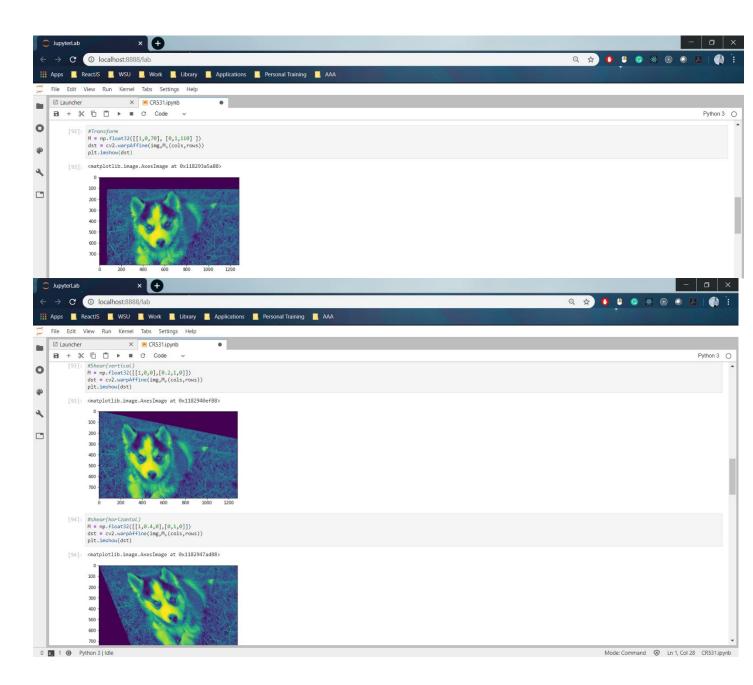


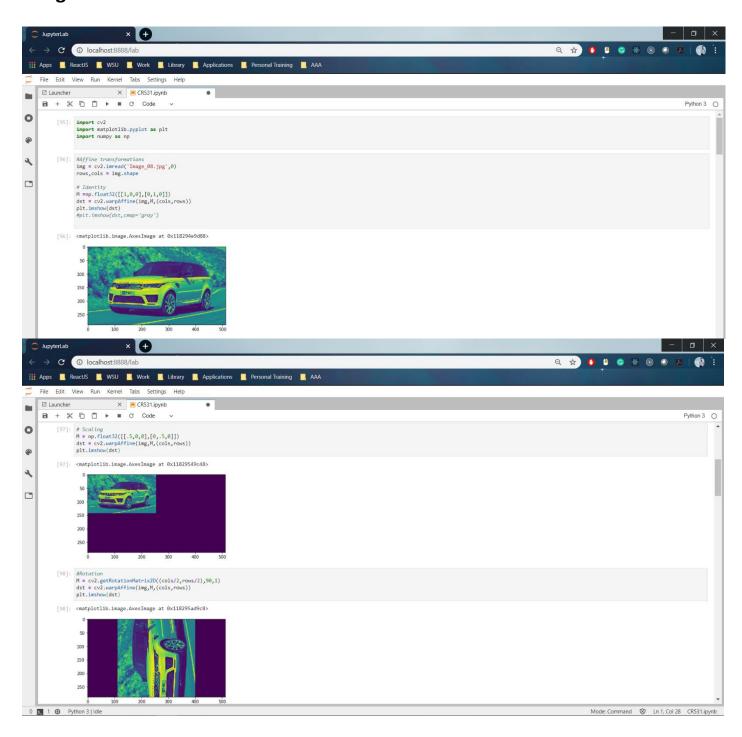
Image – 6











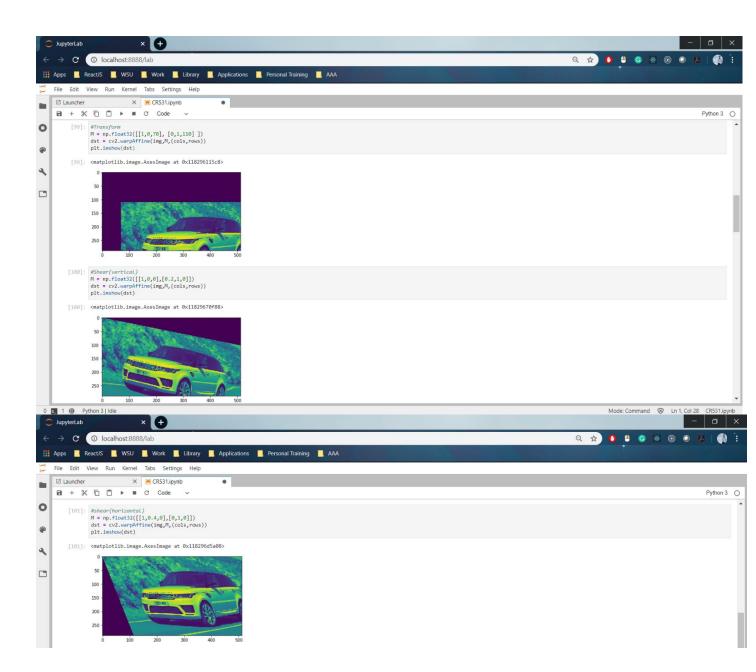
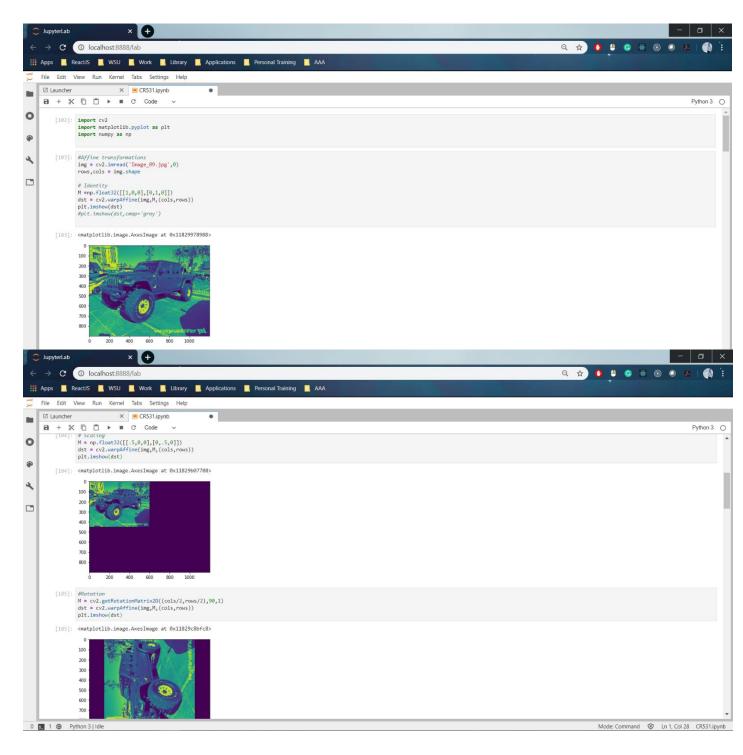
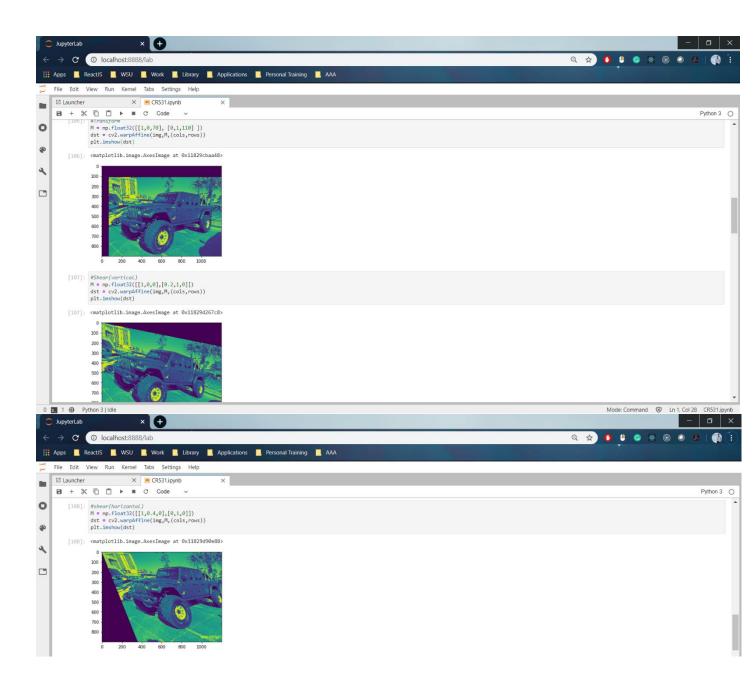
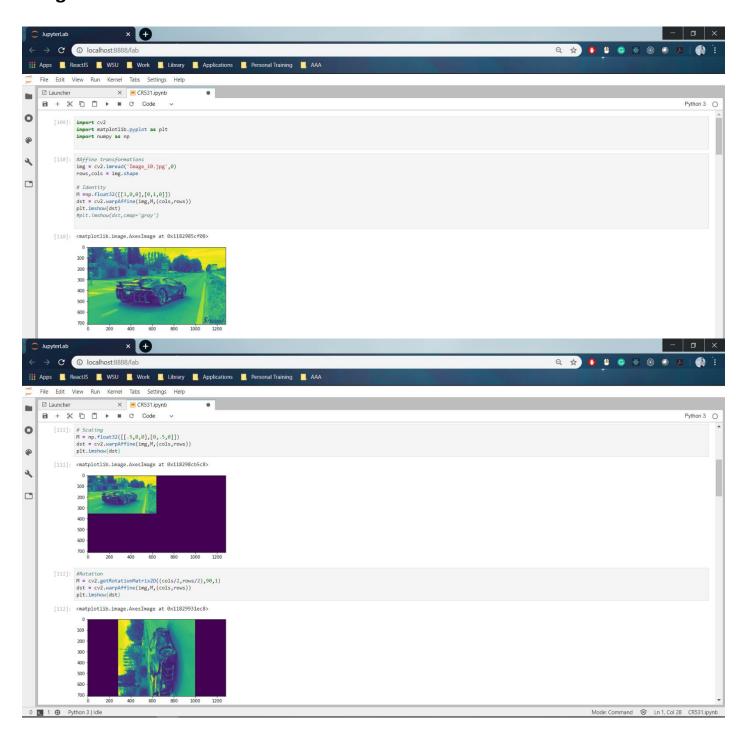
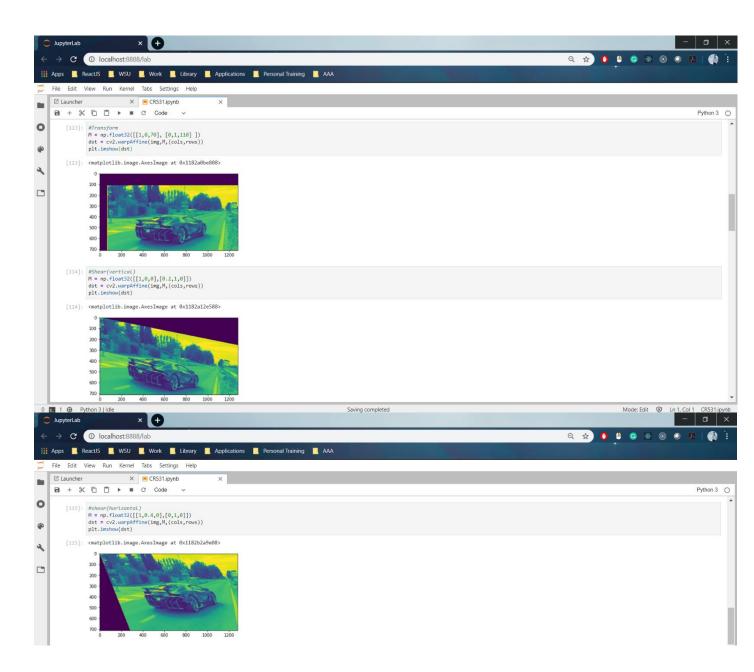


Image – 9









Task -2

On a randomly selected image compute (a) image statistics, (b) histogram, (c) histogram equalization and (d) binarize it.

