

## Exercised Day12

- 1) Write a program to apply various thresholding operations on the image gradient.jpg. Apply the same with other similar images and analyze the results.

THRESH\_BINARY

THRESH\_BINARY\_INV

THRESH\_TRUNC

THRESH\_TOZERO

THRESH\_TOZERO\_INV

- 2) Blend the images OpenCVLogo.png and ml.png using addWeighted function in a 0.7:0.3 ratio. Try the same with other images.
- 3) Apply adaptive thresholding to make the sudoku.jpg image more reader. Try to do the same with other similar images.
- 4) Make the opencvlogo smoother by applying blur function. Try it with other images.
- 5) Write a program to do face detection and eyes detection using haarclassifiers.
- 6) Write a program to an object detection (any object) , by identifying suitable haarClassifier xml file developed by some third party.
- 7) Apply edge detection algorithm canny on the messi.jpg image.