

Hassan Raza

Roll Number MSCS24012

Report

Steps we follow

- i) X-derivative
- ii) Y-derivative
- iii) Gradient Magnitude
- iv) Gradient Direction
- v) Non Maximum Suppression
- vi) Hysteresis Threshold

First we Show x-derivative of All Images

X-Derivative

Image 1:

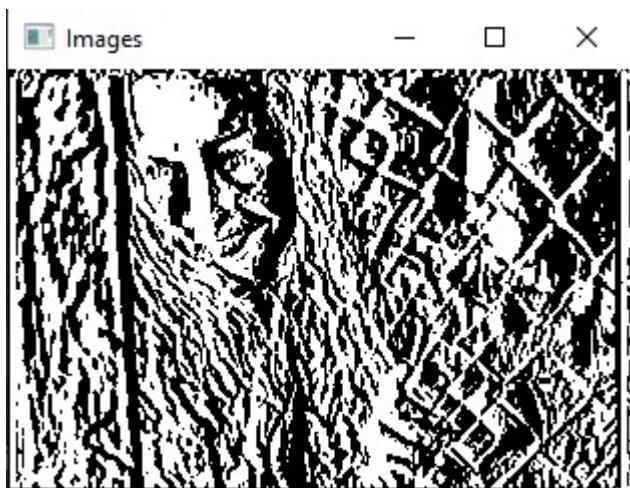


Image 2:

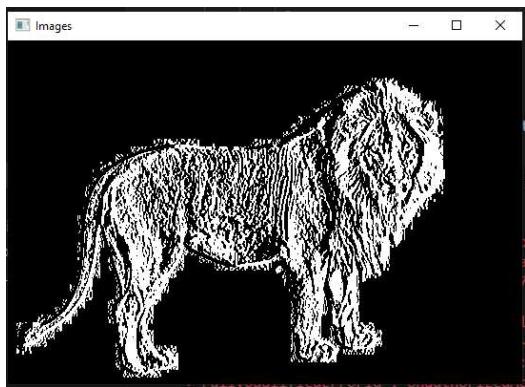


Image 3:





Image 4:



Image 5:



Y- Derivative of All Images

Image 1



Image 2

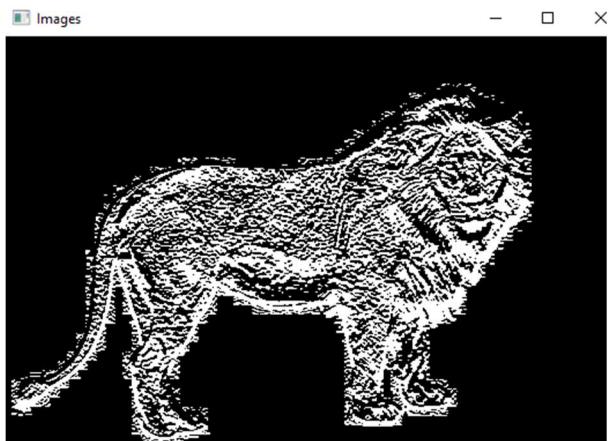


Image 3



Image 4

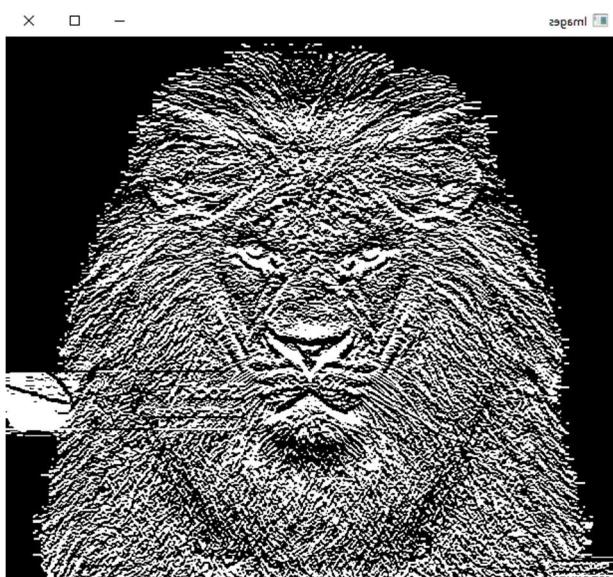
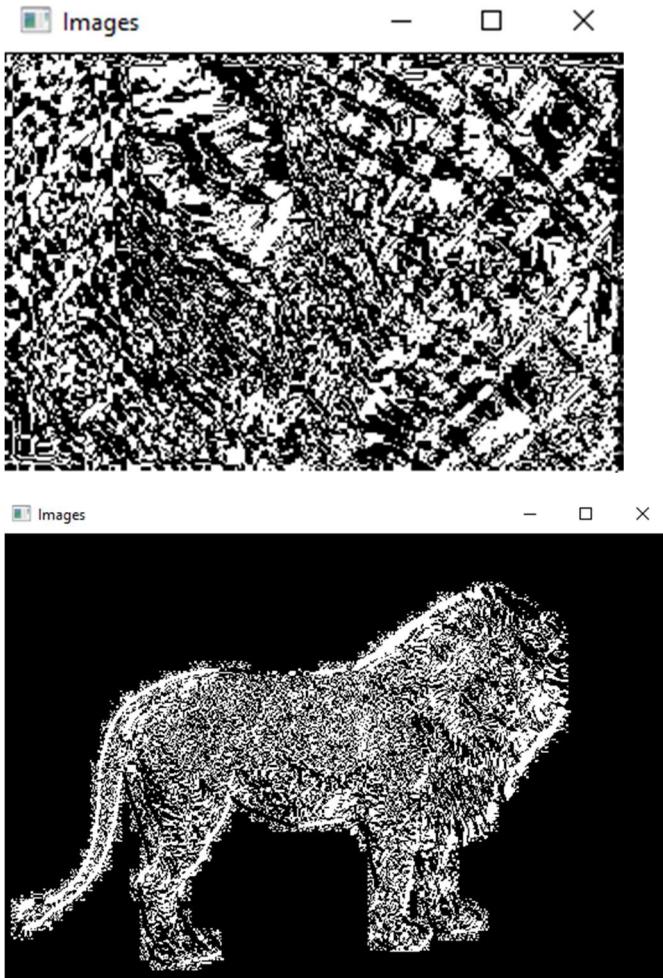
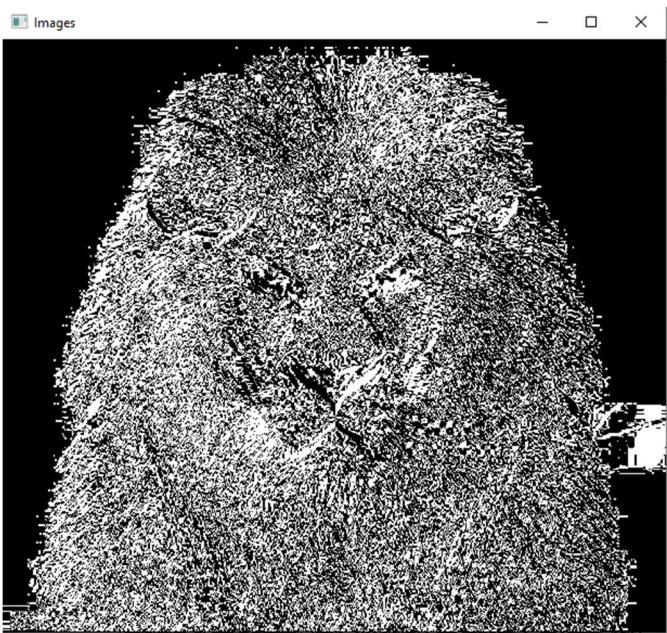


Image 5



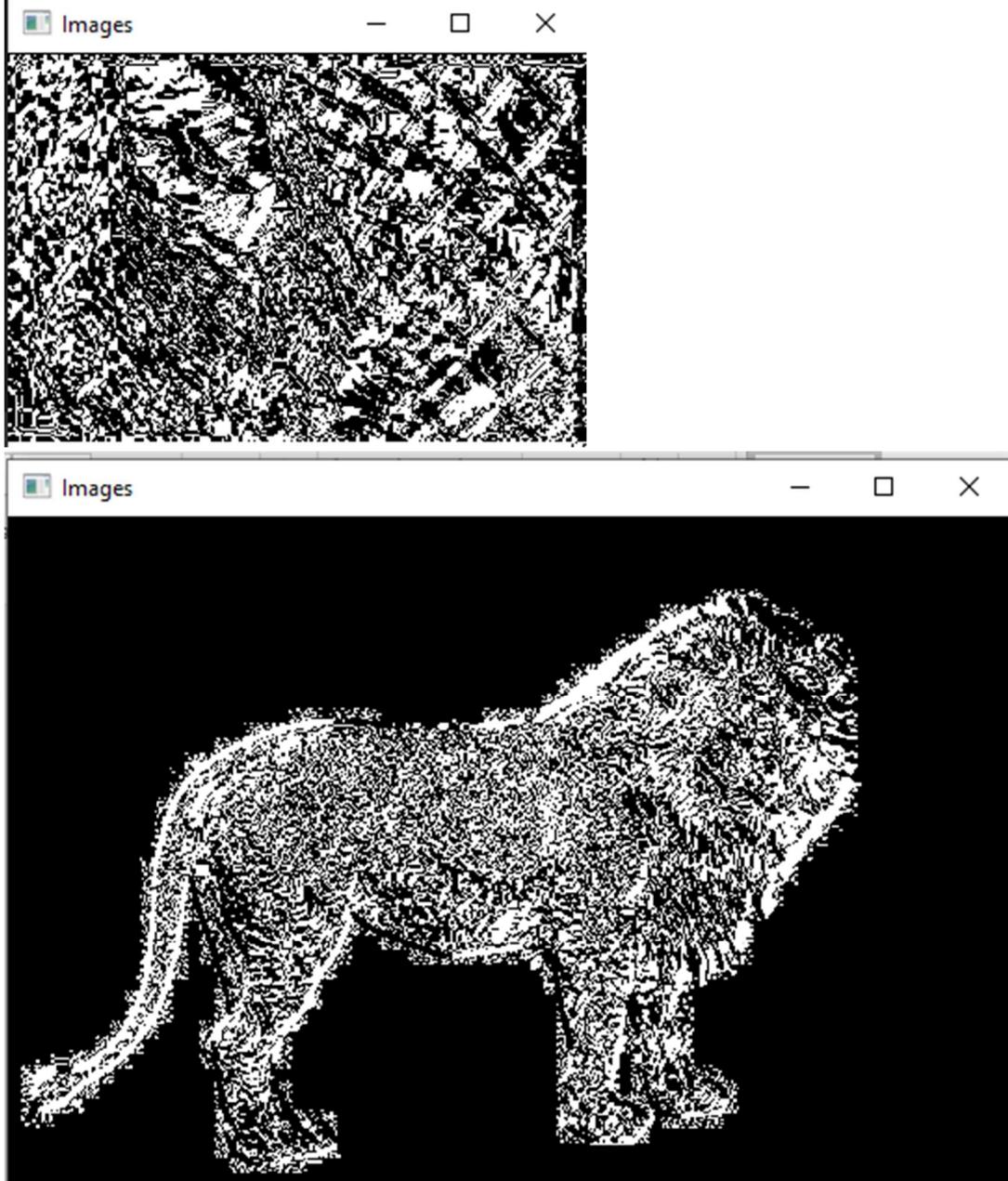
Now we Show Gradient Magnitude of each image as an Image Representation





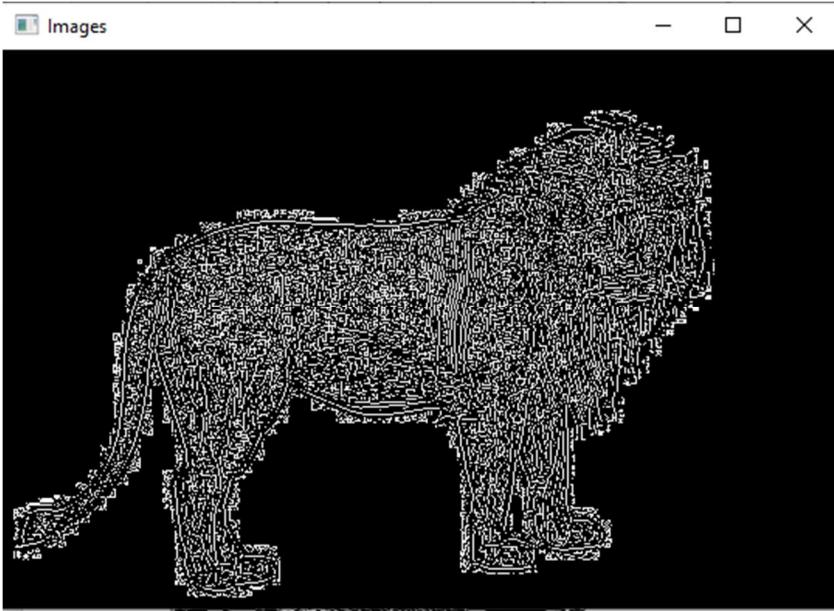


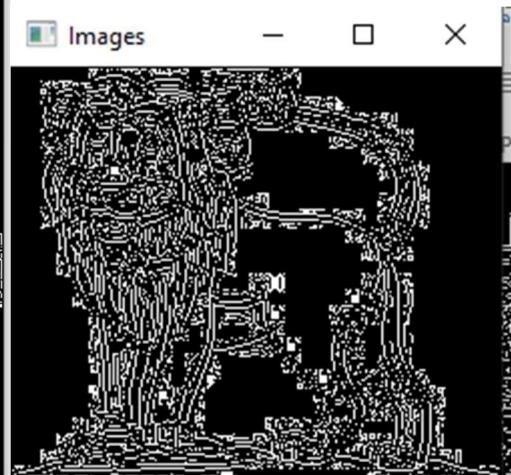
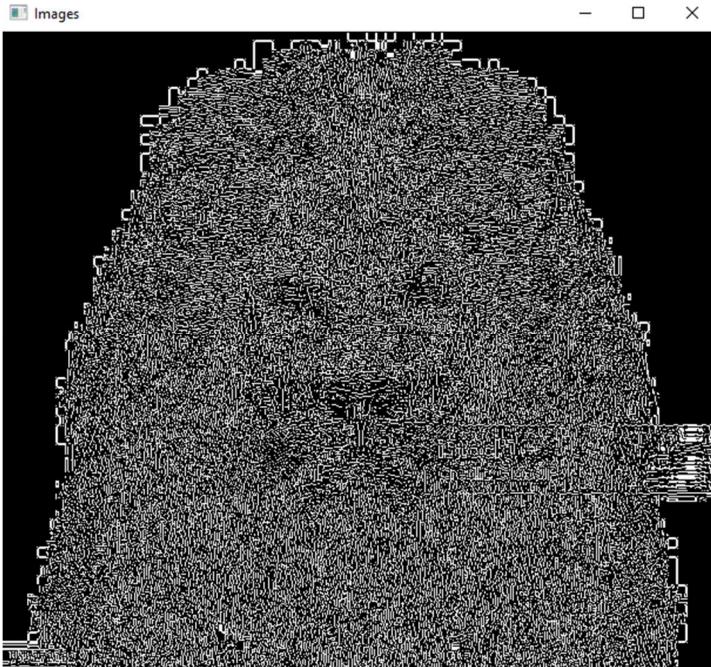
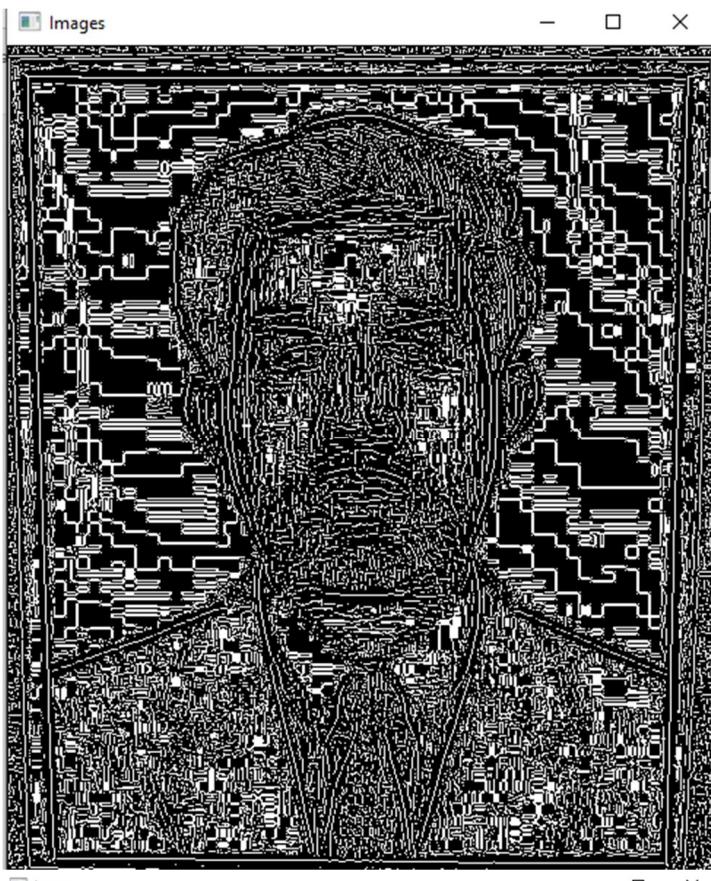
Plotting of the Gradient Direction of Image





NON Maximum Separation





Hysteresis Threshold

Images

-

□

X



Images

-

□

X

