

**Name: VEN THON**

**ID: e20191250**

**Group: I5-GIC-C**

Assignment Lesson 12

1) Find a mask or kernel X and Y of Sobel filter (3x3)?

Here are the 3x3 kernels for the Sobel filter:

Kernel X:

[-1, 0, 1]

[-2, 0, 2]

[-1, 0, 1]

Kernel Y:

[1, 2, 1]

[0, 0, 0]

[-1, -2, -1]

2) In your opinion, what is the range of threshold except black and white image?  
(from which value to which value)

- In my opinion white image, the threshold range extends beyond simple binary values (0 and 255).