**Modules required:**

1.cv2

2.numpy

**Draw\_rec is an important function it handles drawing of rectangle ,Event we are searching for drawing are:**

* Left button clicking (EVENT\_LBUTTONDOWN)
* Mouse moving tracker (EVENT\_MOUSEMOVE)
* Left button release (EVENT\_LBUTTONUP)

**img=np.zeros(shape=(512,512,3)):**

This code helps in creating the image of 512 x 512 pixel with 3 colour channels Red,Green,Blue(RGB)

**Note: you can use any name you want for the drawing window,I used ‘Pic’ but don’t forget to replace it in other places.**

**These are statements used to merge the draw\_rec function to the waiting key function(waitKey()):**

cv2.namedWindow(winname=’name you chosen’)

cv2.setMouseCallback('name you chosen' ,function name)

**0xFF==27** :- 27 represents the esc key and we are instructing pc to close the window if the user press esc only.

**cv2.rectangle()** :- please refer https://stackoverflow.com/questions/23720875/how-to-draw-a-rectangle-around-a-region-of-interest-in-python