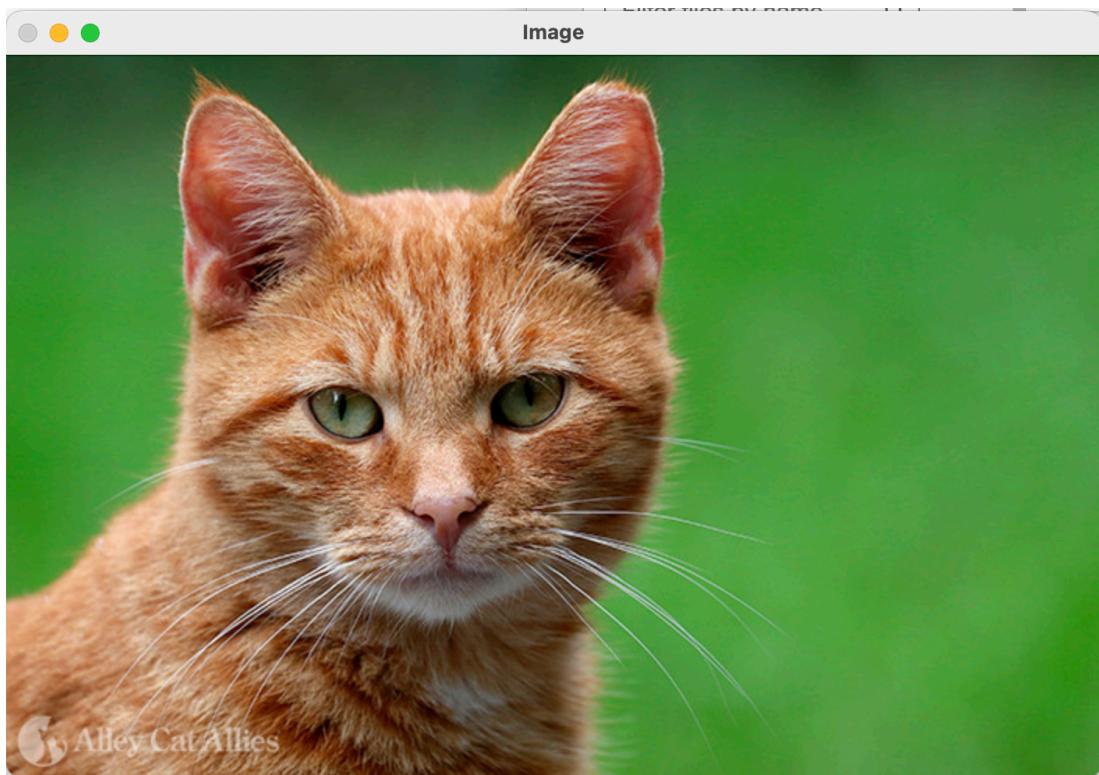


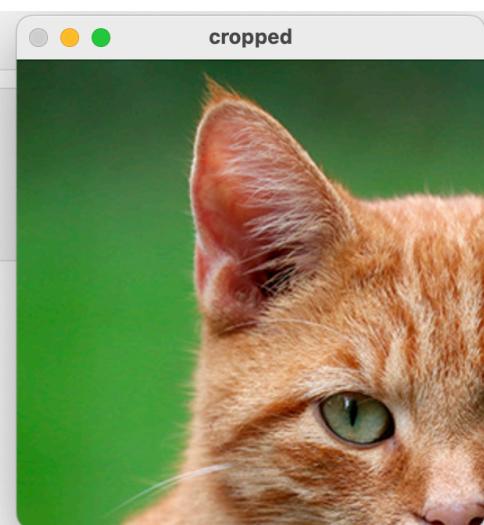
Activity 1 & 2:



```
cv2.destroyAllWindows()
cv2.waitKey(1)

[*]: image = cv2.imread('../images/cat.jpg')

cropped = image[0:300, 0:300]
show_img({'cropped':cropped})
```



```
: import cv2

cv2.imshow("Image", img)
cv2.waitKey(0)
cv2.destroyAllWindows()
```

```
cv2.waitKey(1)
: image = cv2.imread('../images/cat.jpg')
cropped = image[0:300, 0:300]
gray_img = cv2.cvtColor(image, cv2.COLOR_BGR2GRAY)
show_img({'gray_img':gray_img})
```



```
: image = cv2.imread('../images/cat.jpg')
cropped = image[0:300, 0:300]
gray_img = cv2.cvtColor(image, cv2.COLOR_BGR2GRAY)

#Gaussian Blur
blurred_image = cv2.GaussianBlur(image , (21,21) , 0)
#Canny
edges = cv2.Canny(image , 120 , 220)

#Color Manipulation - Invert color
inverted_image = 255 - image

show_img({'blurred_image':blurred_image})
```

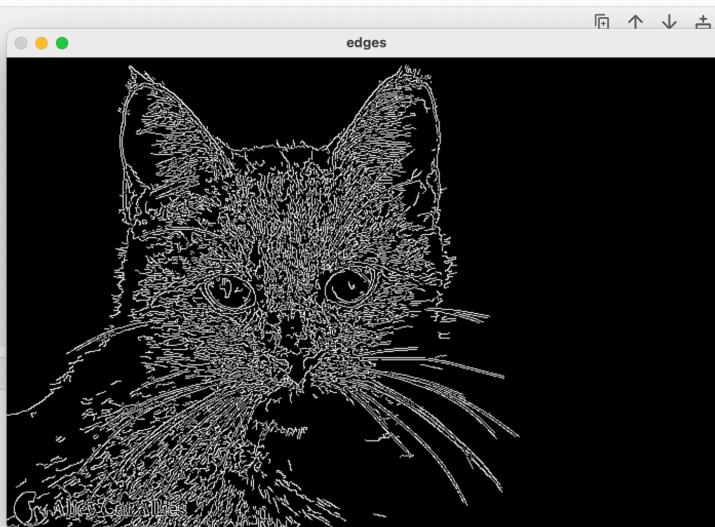


```
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#Canny
edges = cv2.Canny(image , 120 , 220)

#Color Manipulation - Invert color
inverted_image = 255 - image

show_img({'edges':edges})
```



```
*: image = cv2.imread('../images/cat.jpg')
cropped = image[0:300, 0:300]
gray_img = cv2.cvtColor(image, cv2.COLOR_BGR2GRAY)

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edges = cv2.Canny(image , 120 , 220)

#Color Manipulation - Invert color
inverted_image = 255 - image

show_img({'inverted_image':inverted_image})
```



