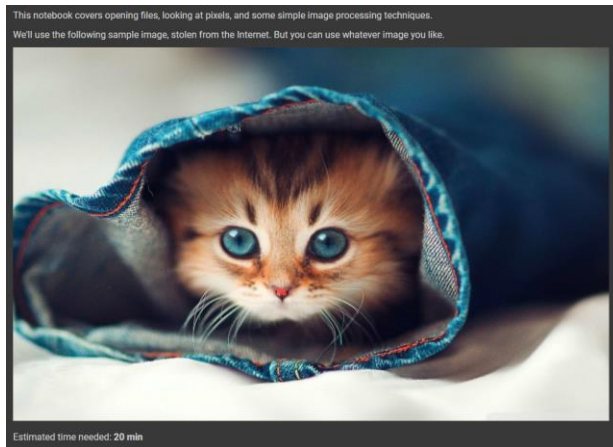


Lab-1

2. Implement a simple python program with an image of your choice and demonstrate all the concepts (attach screenshots).



```
[80] input_image=cv2.imread('noidea.jpg')

We can find out various things about that image

[79] print(input_image.size)

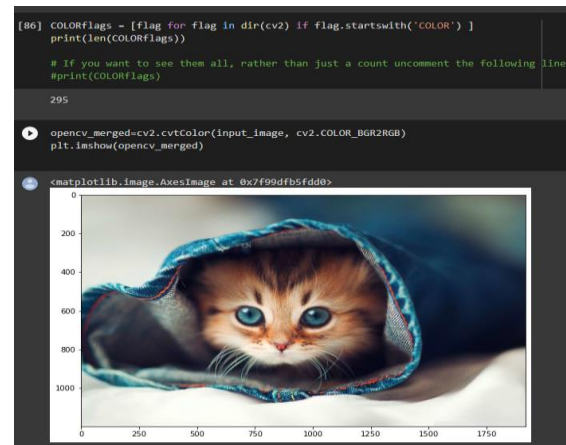
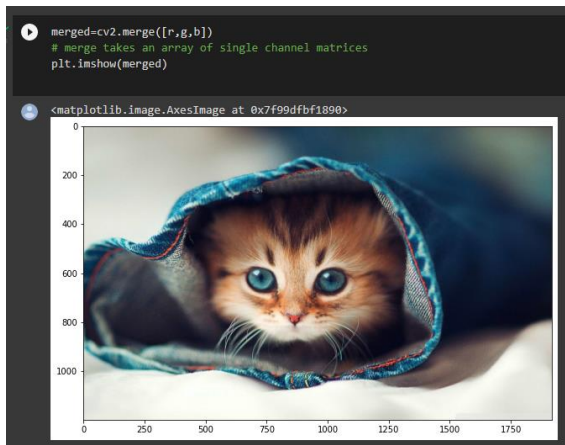
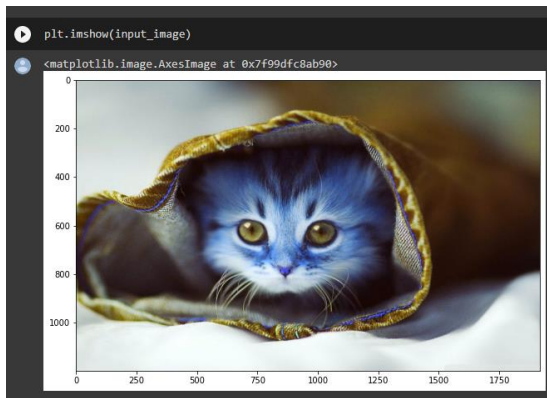
6912000

[81] print(input_image.shape)

(1200, 1920, 3)

[82] print(input_image.dtype)

uint8
```

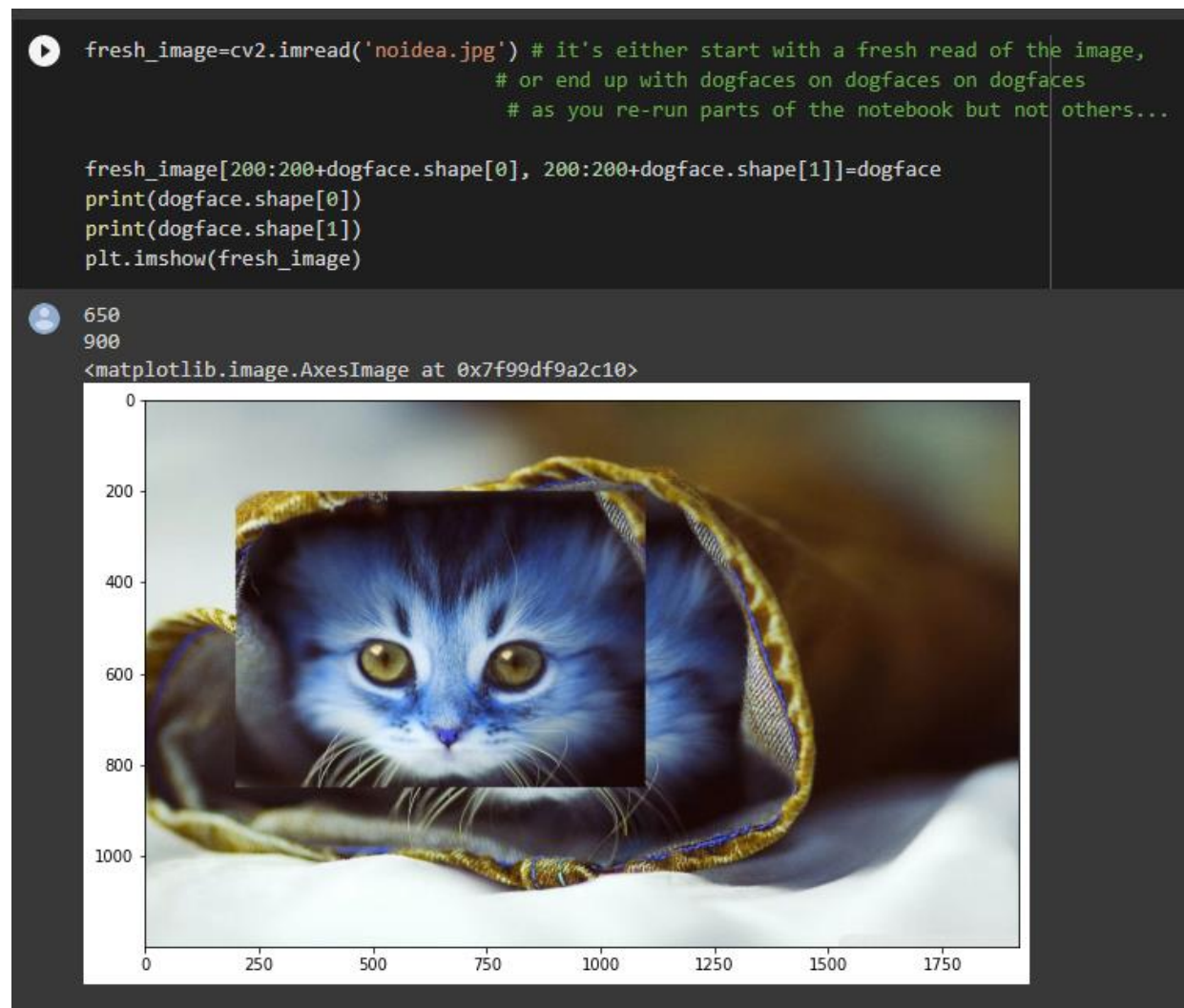
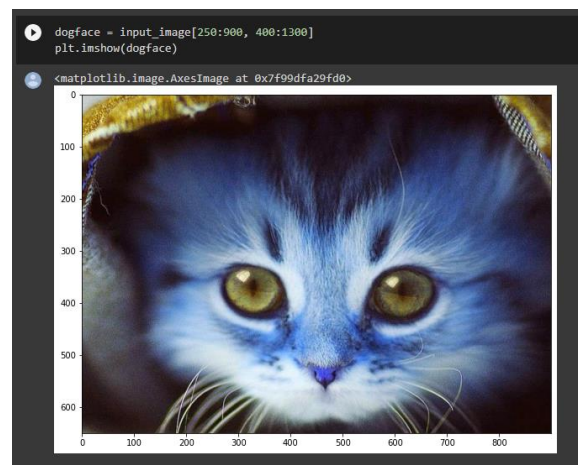


```
[88] pixel = input_image[100,100]
      print(pixel)

[202 212 206]

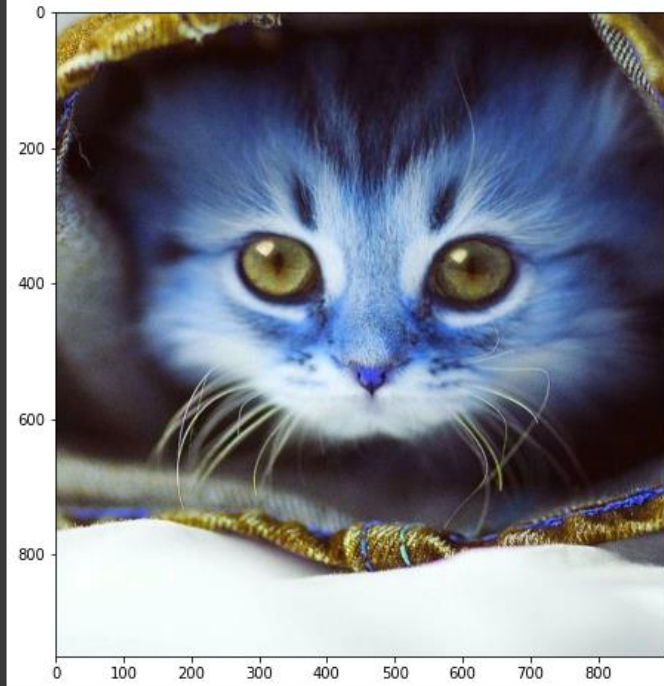
[89] input_image[100,100] = [0,0,0]
      pixelnew = input_image[100,100]
      print(pixelnew)

[0 0 0]
```



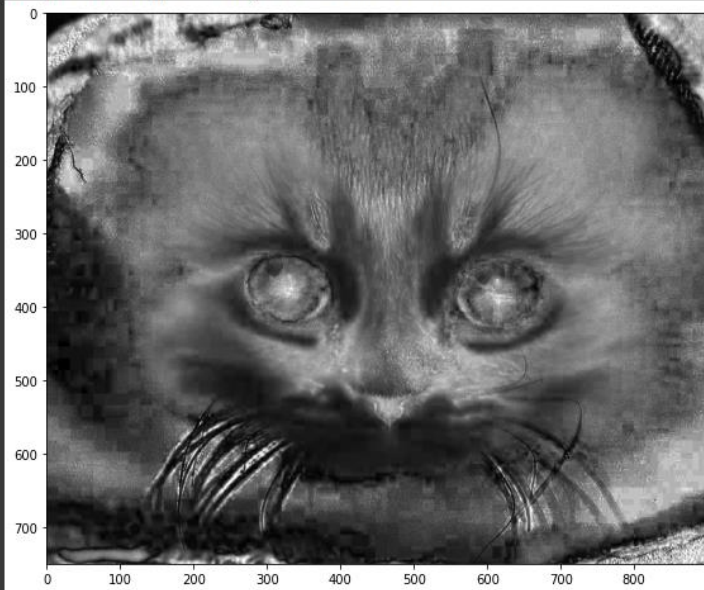
```
freshim2 = cv2.imread("noidea.jpg")  
crop = freshim2[250:1200, 400:1300]  
plt.imshow(crop)
```

<matplotlib.image.AxesImage at 0x7f99df878f50>



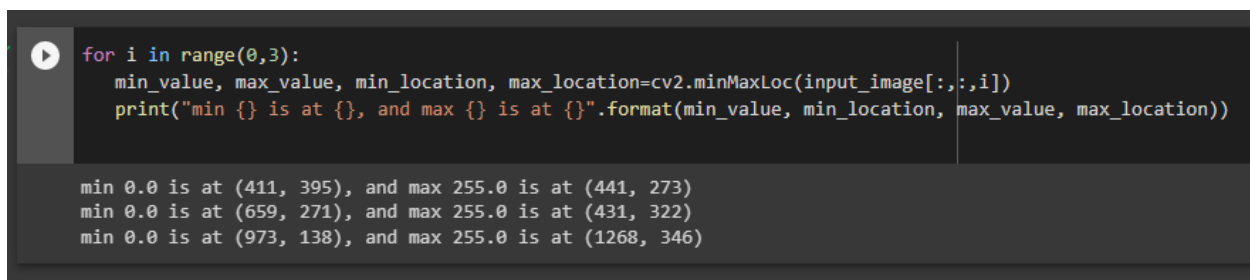
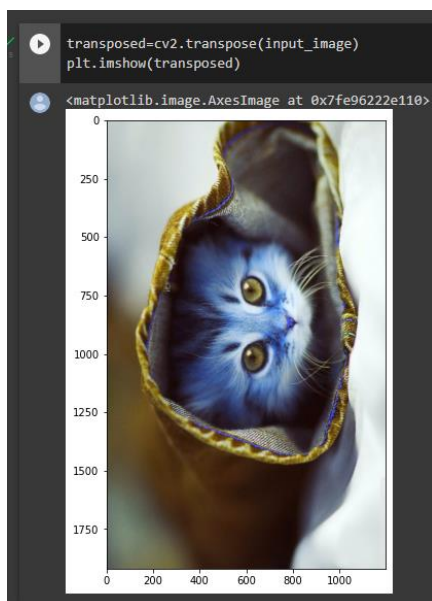
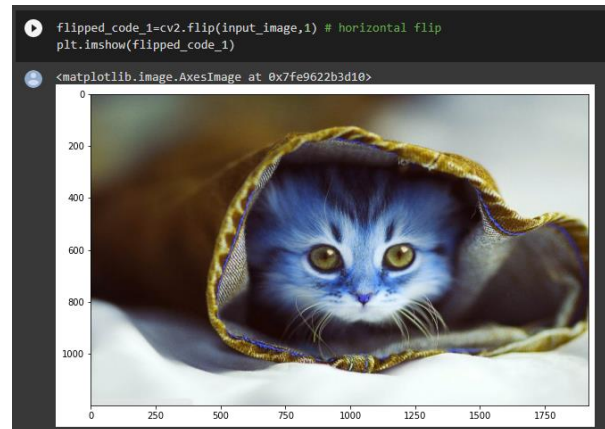
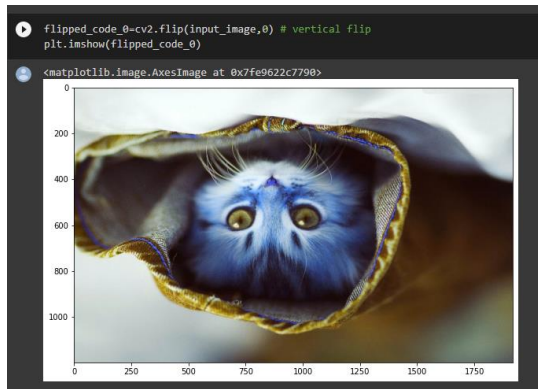
```
hsvim=cv2.cvtColor(freshim2,cv2.COLOR_BGR2HSV)  
bcrop =hsvim[250:1000, 400:1300, 1]  
plt.imshow(bcrop, cmap="gray")
```

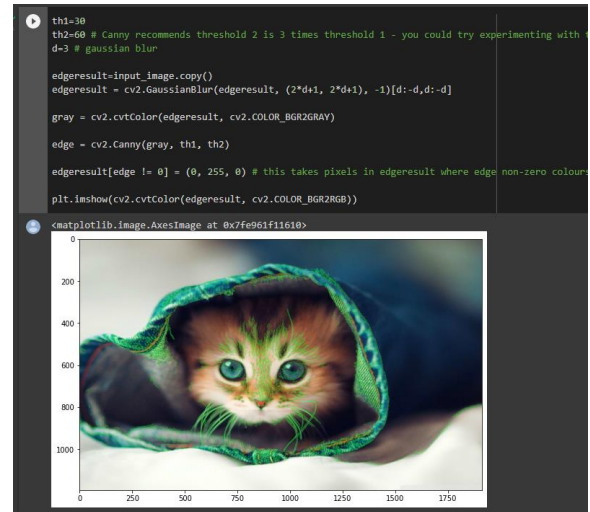
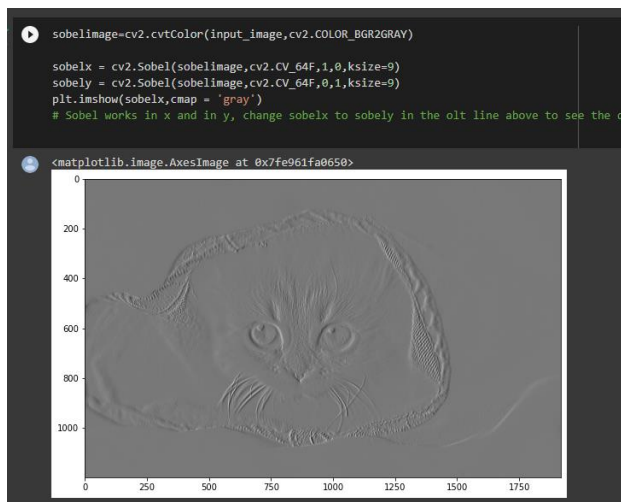
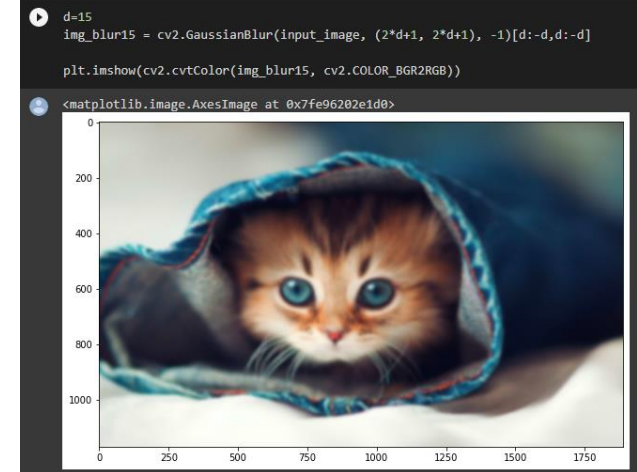
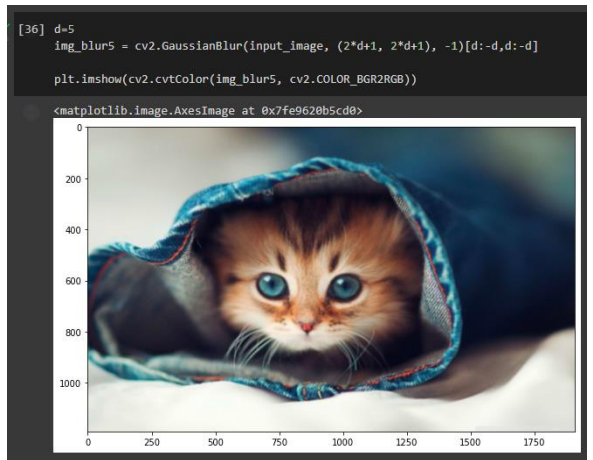
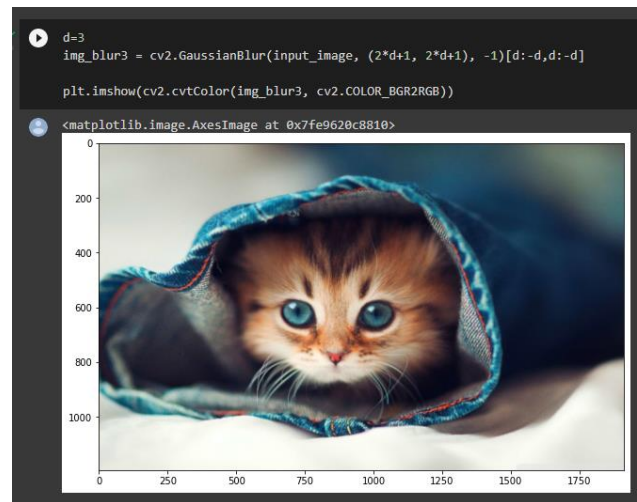
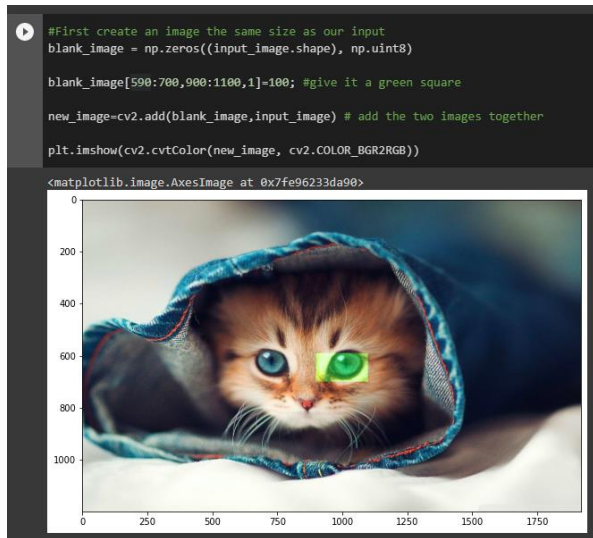
<matplotlib.image.AxesImage at 0x7f99df86f750>



Lab-2

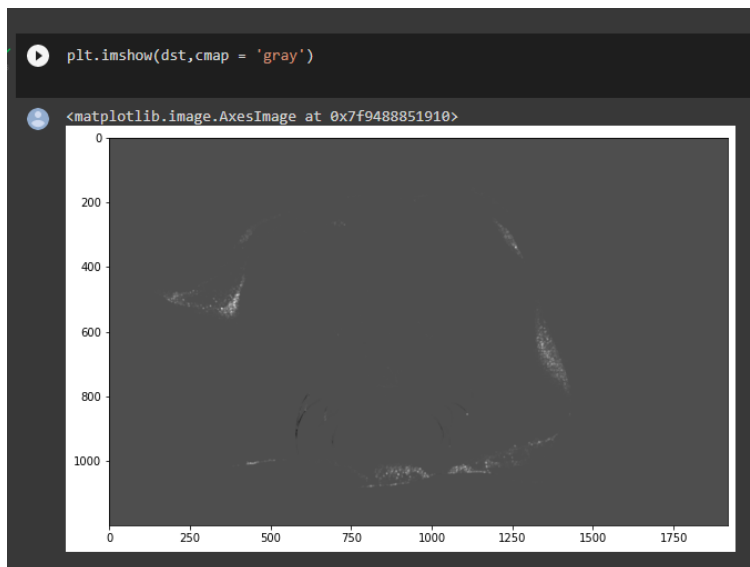
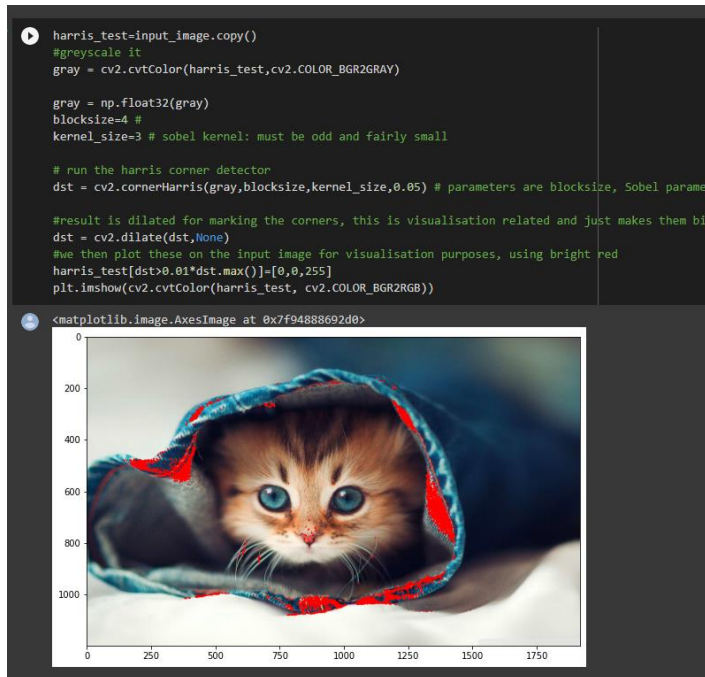
1. Implement a simple python program with an image of your choice and demonstrate all the concepts (attach screenshots).

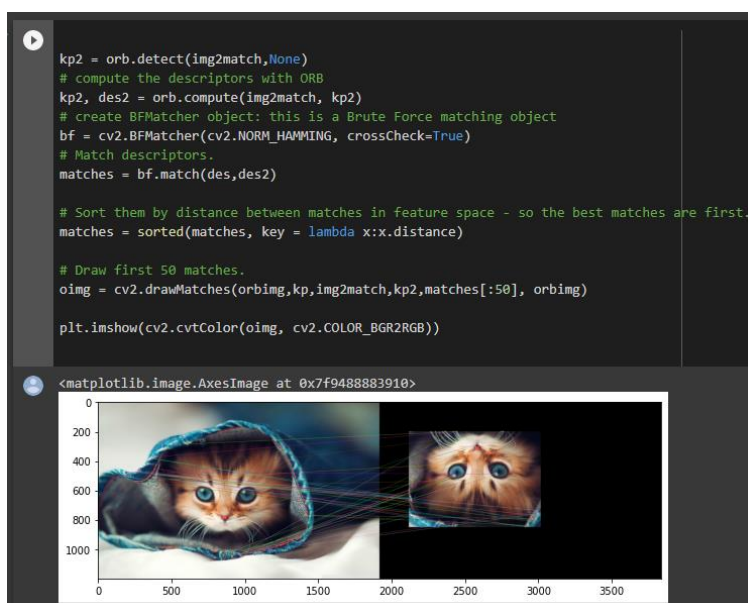
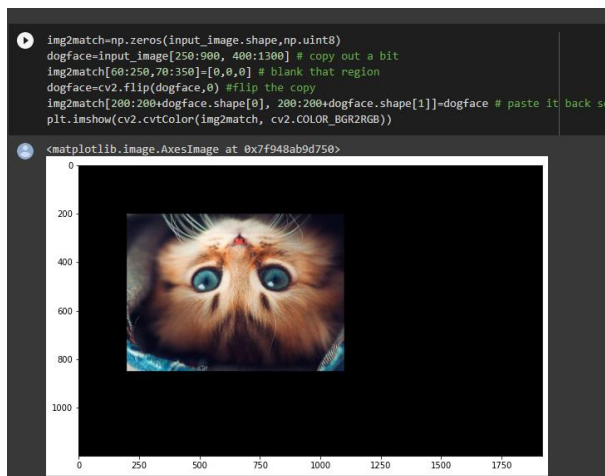
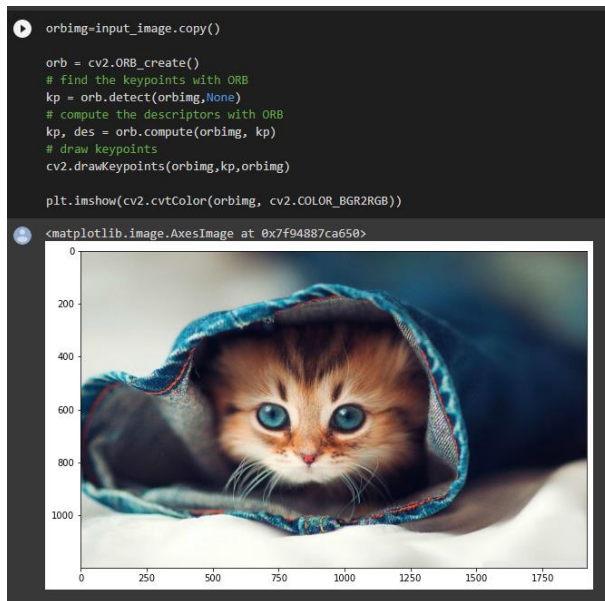




Lab-3

1. Implement a simple python program with an image of your choice and demonstrate all the concepts (attach screenshots).





Lab-4

1. Implement a simple python program with an image of your choice and demonstrate all the concepts (attach screenshots).

