

```
1 import cv2
2
3 cap = cv2.VideoCapture(0)
4 def dodge(x,y):
5     return cv2.divide(x,255-y,scale=256)
6 count =1
7 while True:
8     success,img = cap.read()
9     imgGray = cv2.cvtColor(img,cv2.COLOR_BGR2GRAY)
10    imgGrayInv = 255-imgGray
11    imgBlur = cv2.GaussianBlur(imgGrayInv, ksize=(21, 21),sigmaX=5, sigmaY=0)
12    finalImg = dodge(imgGray,imgBlur)
13    cv2.imshow('Face',finalImg) # Sketched Image
14
15    key = cv2.waitKey(1)
16    if key & 0xff==ord('q'):
17        break
18    if key & 0xff==32: # Press spacebar to take photo
19
20        filename = f'Sketches/Image {count}.jpg'
21        count+=1
22        cv2.imwrite(filename,finalImg)
23
```