```
predictor = dlib.shape_predictor(r"C:\Users\rkssp\Downloads\facial-landmarks-recognition-master\facial-landmarks-recognition-master\
                                                                                                                                                                                                                                                                                                                                                                                                          landmarks = face_utils.shape_to_np(landmarks)
                                                                                                                                                                                                                                                                                                                               .COLOR_BGR2GRAY)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rightEye = eye_aspect_ratio(rightEye)
                                                                                                                                                                                                                                                                                                                                                                                                                                                              leftEye = eye_aspect_ratio(leftEye)
                                                                                                                                                                                                                                                                                                                                                                                  landmarks = predictor(imgGray,face)
                                                                                        detector = dlib.get_frontal_face_detector()
                                                                                                                                                                                              eye[3])
                                                                                                                                                        eye[5])
                                                                                                                                                                     eye[4])
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      = (leftEye + rightEye) / 2.0
                                                                                                                 shape_predictor_68_face_landmarks.dat")
                                                                                                                                                                                                                                                                                                                                                                                                                                     rightEye = landmarks[36:42]
                        from scipy.spatial import distance
                                                                                                                                                       = distance.euclidean(eye[1],
                                                                                                                                                                   = distance.euclidean(eye[2],
                                                                                                                                                                                              {\tt distance.euclidean(eye[0],}
                                                                                                                                                                                                                                                                                                                               = cv2.cvtColor(img,cv2
                                                                                                                                                                                                                                                                                                                                                                                                                        leftEye = landmarks[42:48]
                                     from imutils import face_utils
                                                                                                                                                                                                           = (A + B) / (2.0 * C)
                                                                                                                                                                                                                                                                                                                                            detector(imgGray)
                                                                                                                                                                                                                                                                                                                   success,img = cap.read()
                                                                                                                                           eye_aspect_ratio(eye):
                                                               = cv2.VideoCapture(0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     count>=3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  total+=1
                                                                                                                                                                                                                                                                                                                                                                     for face in faces:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            count+=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              if eye<0.3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             count=0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ijΨ
                                                                                                                                                                                                                                      return eye
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         else:
                                                                                                                                                                                                                                                                                    22
24 success,
25 imgGray
26 faces =
27 for face
29 for face
30
31 land
32
33 righ
34
35 righ
35
36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       eye
                                                                                                                                                                                                                                                                                                                               imgGray
                                                                                                                                                                                                                                                                                                                                             faces =
           import dlib
1 import cv2
                                                                                                                                                                                                                                                                П
                                                                                                                                                                                                           eye
                                                                                                                                                                                                                                                                 П
                                                                                                                                                                                               ပ
                                                                                                                                                                                                                                                                          total
                                                                                                                                                                                                                                                               count
                                                                                                                                                        A B
                                                                                                                                          11 def
                                                                cap
                                                                                                                                                                                                                                                             20
                                    4 6 7
            3 2
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```

- cv2.putText(img, "Blink Count: {}".format(total), (10, 30),cv2.FONT_HERSHEY_SIMPLEX, 0.7, (0, 0, 255), 2)
 cv2.imshow('Video',img)
 if cv2.waitKey(1) & 0xff==ord('q'):
 break