In [2]:
```
### face detection using webcam

import cv2
```

In [3]:
```
face_detect = cv2.CascadeClassifier(r"C:\Users\shubham lokare\Downloads\haarcascade_frontalface_default.xml")
eye_detect  = cv2.CascadeClassifier(r"C:\Users\shubham lokare\Downloads\haarcascade_eye.xml")
```

In [ ]:
```
def detect(gray , frame):
    faces = face_detect.detectMultiScale(gray , 1.3 ,5)
    for(x,y,w,h) in faces:
        cv2.rectangle(frame , (x,y) ,(x + w , y + h) ,(255,0,0) ,2)
        roi_gray = gray[y:y+h ,x:x+w]  ### crop the face
        roi_color = frame[y:y+h , x:x+w] ## crop the frame
        eyes = eye_detect.detectMultiScale(gray , 1.1 ,2)
        for(ex,ey,ew,eh) in eyes :
            cv2.rectangle(frame ,(ex,ey),(ex +ew , ey+eh) ,(0 ,225,0),2)
    return frame


## detct the face from webcamp
vedio_capture = cv2.VideoCapture(0)
while True :
    ret, frame =vedio_capture.read()  ### correctly  caputure the return value
    gray = cv2.cvtColor(frame ,cv2.COLOR_BGR2GRAY)
    canves = detect(gray,frame)
    cv2.imshow('vedio' ,canves)
    if cv2.waitKey(1) & 0xFF == ord('q'):
        break
vedio_capture.release()
cv2.destroyAllWindows()
```

In [ ]: