**PROGRAM:**

import tensorflow as tf

from tensorflow import keras

from tensorflow .keras import layers

import cv2

path="haarcascade\_frontalface\_default.xml"

font=cv2.FONT\_HERSHEY\_PLAIN

rectangle\_bgr=(255,255,255)

img=np.zeros((500,500))

font\_scale=1.5

text="some text in a box"

(text\_width,text\_height)=cv2.getTextSize(text,font,fontScale=font\_scale,thickness=1)[0]

text\_offset\_x=10

text\_offset\_y=img.shape[0]

box\_coords=((text\_offset\_x,text\_offset\_y),(text\_offset\_x + text\_width+2,text\_offset\_y - text\_height - 2))

cv2.rectangle(img,box\_coords[0],box\_coords[1],rectangle\_bgr,cv2.FILLED)

cv2.putText(img,text,(text\_offset\_x,text\_offset\_y),font,fontScale=font\_scale,color=(0,0,0),thickness=1)

cap=cv2.VideoCapture(1)

if not cap.isOpened():

cap=cv2.VideoCapture(0)

if not cap.isOpened():

raise IOError("cannot open webcam")

OUTPUT:



