CAPTURE VIDEIO

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In [ ]: |#OBJECT DETECTION USING OPENCY
#I have 3 object with me 1> red 2> green 3> blue
'''How can we detect which color it is and how can way say to the computer only
that is what we are going to see using opencv'''
import cv2 # package of AI
import numpy as np
#Lets capture the camera. 0 for webcam. if you want other webcam then we can cl
cap = cv2.VideoCapture(0)
#Lets Load the frame
while True:
    _, frame = cap.read()
     #we convert this format to hsv , bgr library this is color format red, gr
    hsv_frame = cv2.cvtColor(frame, cv2.COLOR_BGR2HSV)
    # Lets frame on the windows
    cv2.imshow("Frame", frame)
# weight key event which is 1 and which is 27 then break the Loop that means w
    key = cv2.waitKey(1)
    if key == 27:
        break
cv2.destroyAllWindows()
cap.release()
# Lets run this one and we will see the camera, camera is on
# Now lets deeper understanding how to detect color now
''' HSV --> HUE - we can see the color red, green, blue, yellow and also we can s
          SATURATION - How much quantity of the color we want to have
          (0- nothing, completely white, opency - maximux pixel 0-255)
          VALUE - Brightness of the color (0- completely black)'''
#Next step is to convert the color format to hsv
```