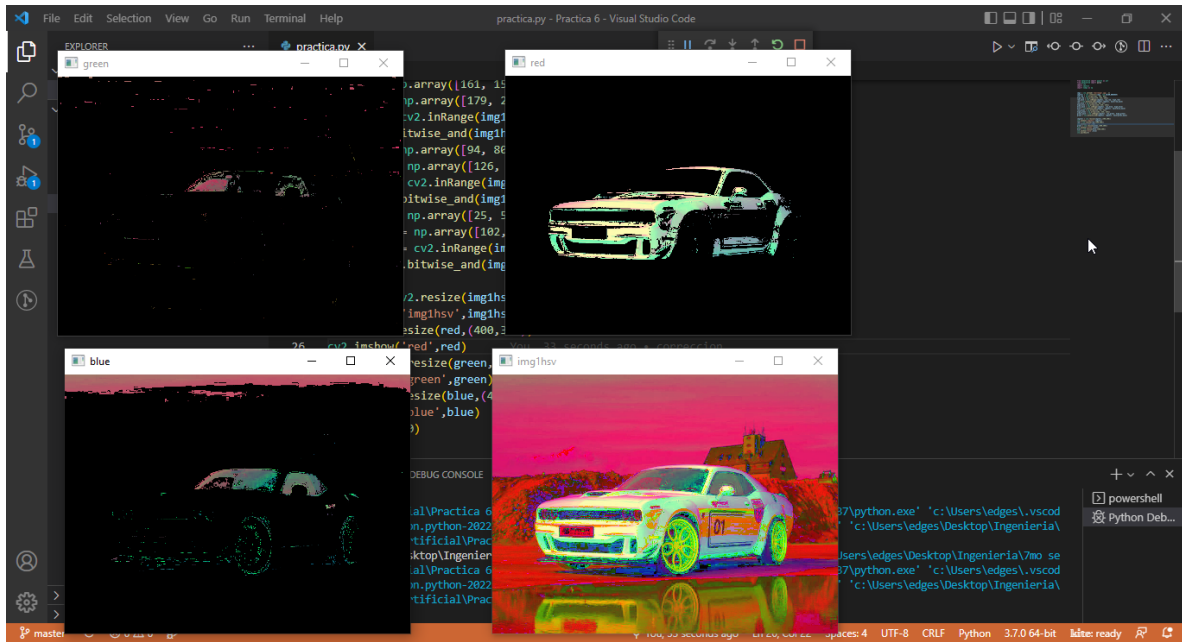


MANUAL DE USUARIO PRACTICA 6

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CETI COLOMOS VISION ARTIFICIAL 7E1

MANUAL DE USUARIO

EVIDENCIA



APP



Esta es la vista principal de la aplicación.

Git:

https://github.com/PedroElgueraCeti/Practica-6_VisionArtificial.git

Code:

```
#Pedro Miguel Elguera Mora 19110148

from matplotlib import pyplot as plt
from matplotlib import pylab
import cv2
import imutils
import numpy as np

img1 = cv2.imread('challenger.jpg', 1)
img1hsv = cv2.cvtColor(img1, cv2.COLOR_BGR2HSV)
```

```
low_red = np.array([161, 155, 84])
high_red = np.array([179, 255, 255])
red_mask = cv2.inRange(img1hsv, low_red, high_red)
red = cv2.bitwise_and(img1hsv, img1hsv, mask=red_mask)
low_blue = np.array([94, 80, 2])
high_blue = np.array([126, 255, 255])
blue_mask = cv2.inRange(img1hsv, low_blue, high_blue)
blue = cv2.bitwise_and(img1hsv, img1hsv, mask=blue_mask)
low_green = np.array([25, 52, 72])
high_green = np.array([102, 255, 255])
green_mask = cv2.inRange(img1hsv, low_green, high_green)
green = cv2.bitwise_and(img1hsv, img1hsv, mask=green_mask)

img1hsv = cv2.resize(img1hsv, (400, 300))
cv2.imshow('img1hsv', img1hsv)
red = cv2.resize(red, (400, 300))
cv2.imshow('red', red)
green = cv2.resize(green, (400, 300))
cv2.imshow('green', green)
blue = cv2.resize(blue, (400, 300))
cv2.imshow('blue', blue)
cv2.waitKey(0)
```