* **find out the colour code (Brown-empty land) & Green for Trees for a particular area.**
* import cv2
* import numpy as np
* from google.colab.patches import cv2\_imshow
* img = cv2.imread('/content/WhatsApp Image 2024-01-28 at 6.45.37 AM.jpeg')
* hsv = cv2.cvtColor(img, cv2.COLOR\_BGR2HSV)
* brown\_lower = np.array([10, 50, 20])
* brown\_upper = np.array([20, 255, 200])
* green\_lower = np.array([25, 52, 72])
* green\_upper = np.array([102, 255, 255])
* brown\_mask = cv2.inRange(hsv, brown\_lower, brown\_upper)
* green\_mask = cv2.inRange(hsv, green\_lower, green\_upper)
* kernel = np.ones((5, 5), np.uint8)
* brown\_mask = cv2.morphologyEx(brown\_mask, cv2.MORPH\_OPEN, kernel)
* green\_mask = cv2.morphologyEx(green\_mask, cv2.MORPH\_OPEN, kernel)
* brown\_contours, \_ = cv2.findContours(brown\_mask, cv2.RETR\_EXTERNAL, cv2.CHAIN\_APPROX\_SIMPLE)
* green\_contours, \_ = cv2.findContours(green\_mask, cv2.RETR\_EXTERNAL, cv2.CHAIN\_APPROX\_SIMPLE)
* brown\_img = cv2.drawContours(img.copy(), brown\_contours, -1, (0, 0, 255), 2)
* green\_img = cv2.drawContours(img.copy(), green\_contours, -1, (0, 255, 0), 2)
* cv2\_imshow(brown\_img)
* cv2\_imshow(green\_img)

**Input image Used:**

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