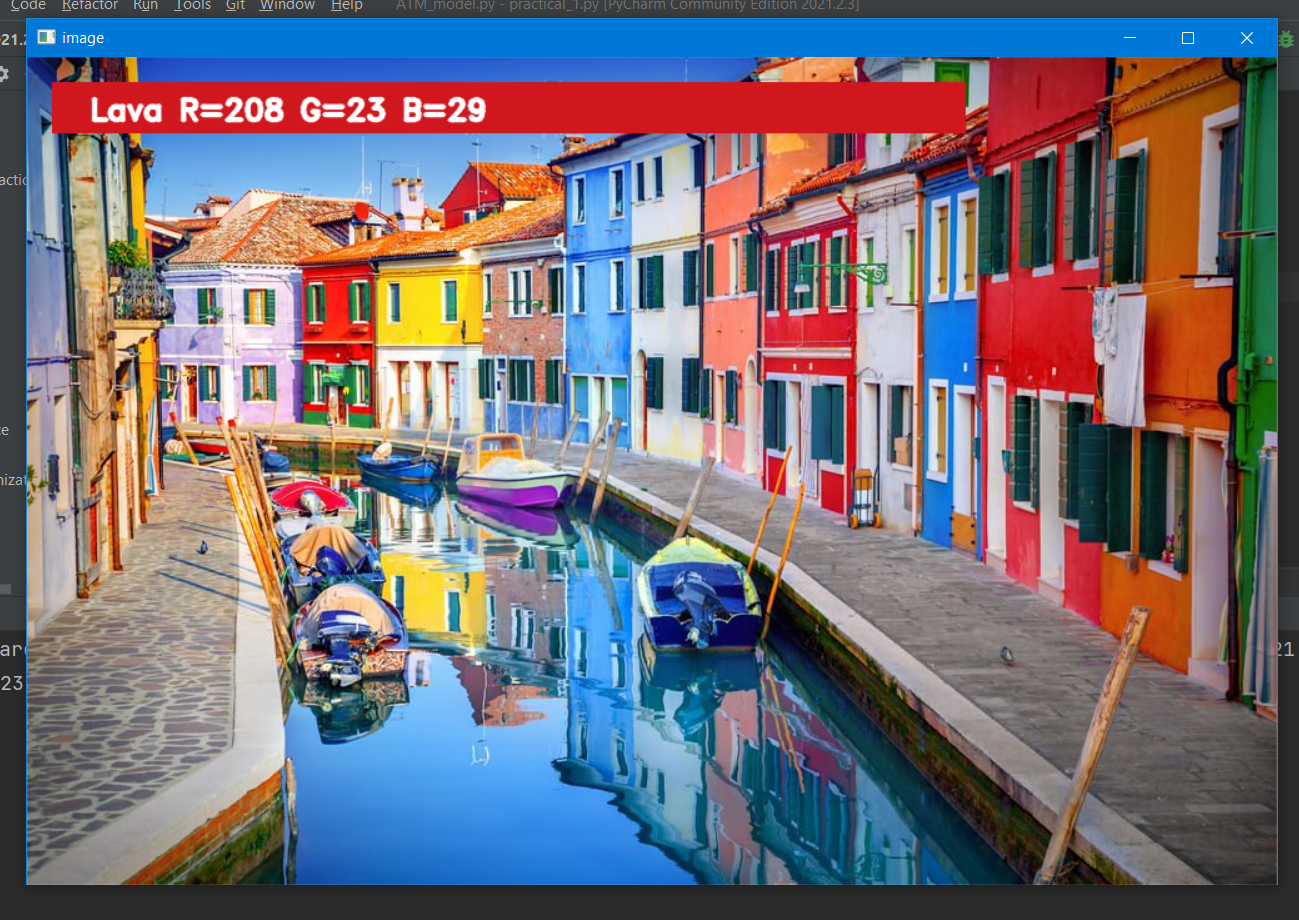
**Source Code :**

import cv2  
import pandas as pd  
  
img\_path = 'colorpic.jpg'  
  
#Reading the image with opencv  
img = cv2.imread(img\_path)  
  
#declaring global variables (are used later on)  
clicked = False  
r = g = b = xpos = ypos = 0  
  
#Reading csv file with pandas and giving names to each column  
index=["color","color\_name","hex","R","G","B"]  
csv = pd.read\_csv('colors.csv', names=index, header=None)  
  
#function to calculate minimum distance from all colors and get the most matching color  
def getColorName(R,G,B):  
 minimum = 10000  
 for i in range(len(csv)):  
 d = abs(R- int(csv.loc[i,"R"])) + abs(G- int(csv.loc[i,"G"]))+ abs(B- int(csv.loc[i,"B"]))  
 if(d<=minimum):  
 minimum = d  
 cname = csv.loc[i,"color\_name"]  
 return cname  
  
#function to get x,y coordinates of mouse double click  
def draw\_function(event, x,y,flags,param):  
 if event == cv2.EVENT\_LBUTTONDBLCLK:  
 global b,g,r,xpos,ypos, clicked  
 clicked = True  
 xpos = x  
 ypos = y  
 b,g,r = img[y,x]  
 b = int(b)  
 g = int(g)  
 r = int(r)  
   
cv2.namedWindow('image')  
cv2.setMouseCallback('image',draw\_function)  
  
while(1):  
  
 cv2.imshow("image",img)  
 if (clicked):  
   
 #cv2.rectangle(image, startpoint, endpoint, color, thickness)-1 fills entire rectangle   
 cv2.rectangle(img,(20,20), (750,60), (b,g,r), -1)  
  
 #Creating text string to display( Color name and RGB values )  
 text = getColorName(r,g,b) + ' R='+ str(r) + ' G='+ str(g) + ' B='+ str(b)  
   
 #cv2.putText(img,text,start,font(0-7),fontScale,color,thickness,lineType )  
 cv2.putText(img, text,(50,50),2,0.8,(255,255,255),2,cv2.LINE\_AA)  
  
 #For very light colours we will display text in black colour  
 if(r+g+b>=600):  
 cv2.putText(img, text,(50,50),2,0.8,(0,0,0),2,cv2.LINE\_AA)  
   
 clicked=False  
  
 #Break the loop when user hits 'esc' key   
 if cv2.waitKey(20) & 0xFF ==27:  
 break  
   
cv2.destroyAllWindows()

**Output :**

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