**实验报告10**

**一图像压缩**

**代码：**

**from PIL import Image**

**im = Image.open('C:\Users\李涛 \ Pictures|截图)**

**im.size**

**im\_resize = im.resize((256,256))**

**im\_resize0 = im.resize((256,256), Image.BILINEAR)**

**im\_resize0.size**

**im\_resize1 = im.resize((256,256), Image.BICUBIC)**

**im\_resize2 = im.resize((256,256), Image.ANTIALIAS)**

**二去掉红色**

**from PIL import Image**

**im = Image.open('D:\自然.jpg')**

**r, g, b = im.split()**

**newr = r.point(lambda i:i\*0)**

**om = Image.merge(im.mode,(newr,g,b))**

**om.save('D:\新自然.jpg')**

**三源文件改写**

**import keyword**

**s = keyword.kwlist**

**n = input("输入一个文件名:")**

**f = open(n,"r").readlines()**

**ls = []**

**for i in f:**

**i = i.split**

**ls.append(i)**

**fo = open(n,"w+")**

**for i in range(len(ls)):**

**if f[i].isspace():**

**fo.write(" "+"\n")**

**for j in range(len(ls[i])):**

**x = ls[i][j]**

**if x not in s:**

**x = x.upper()**

**else:**

**x = x.lower()**

**if x == ls[i][len(ls[i])-1]:**

**fo.write(x+"\n")**

**else:**

**fo.write(x+" ")**

**四人物轮廓**

# -\*- coding: utf-8 -\*-

"""

Created on Sun May 13 23:23:55 2018

@author: wy

"""

from PIL import Image

im = Image.open('C:\\1\\1.jpg')

r, g, b = im.split()

newr = r.point(lambda i:i\*0.8)

newb = b.point(lambda i:i\*0.5)

newg = g.point(lambda i:i<120)

om = Image.merge(im.mode,(newr,newb,newg))

om.save('测试5.jpg')

**五简单P图**

# -\*- coding: utf-8 -\*-

"""

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@author: wy

"""

from PIL import Image

im = Image.open('C:\\1\\1.jpg')

r, g, b = im.split()

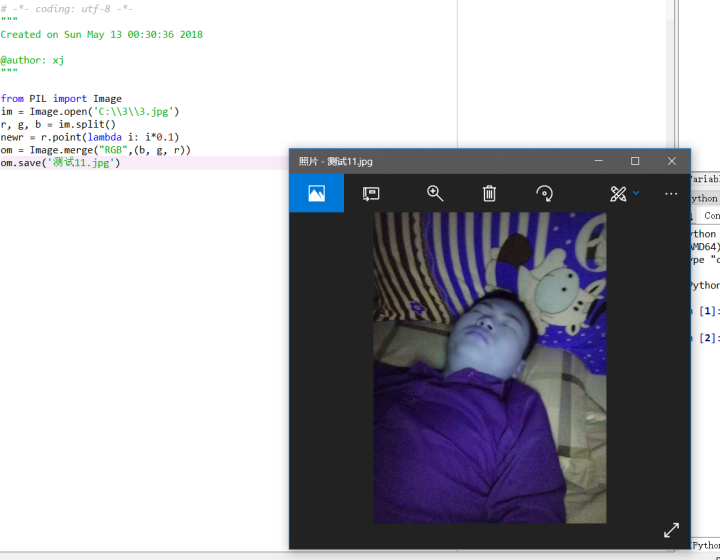
newr = r.point(lambda i:i\*0.8)

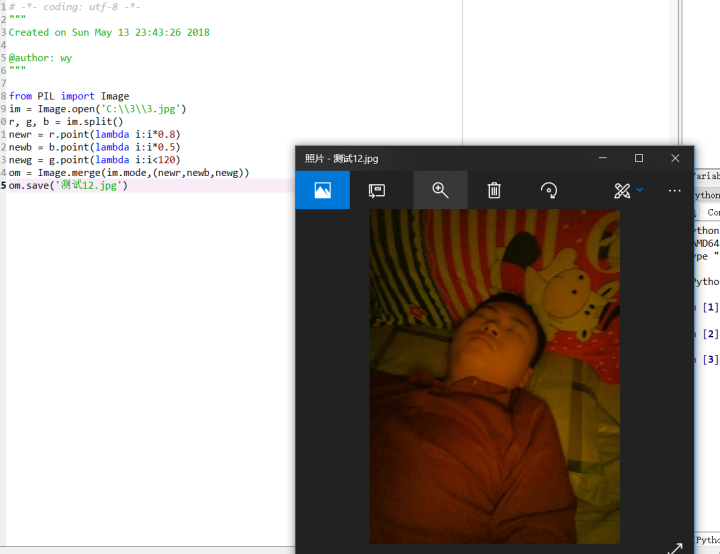
newb = b.point(lambda i:i\*0.5)

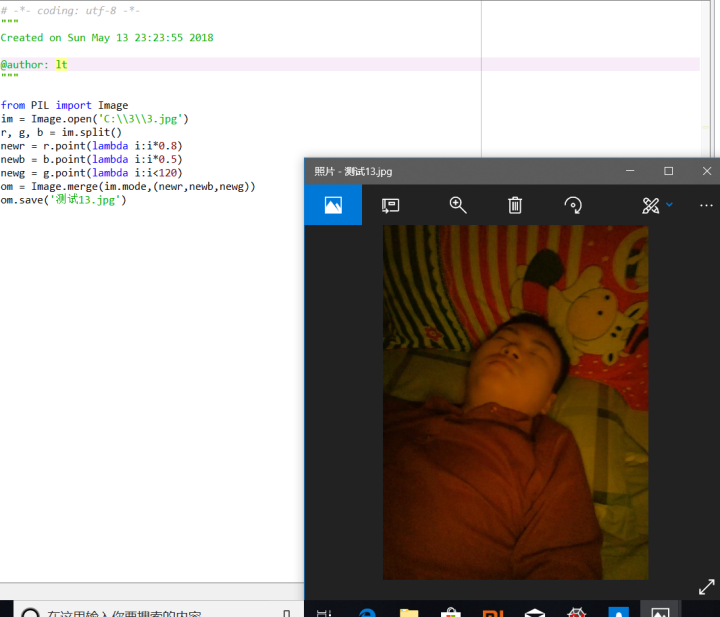
newg = g.point(lambda i:i<120)

om = Image.merge(im.mode,(newr,newb,newg))

om.save('测试6.jpg')

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