第七章作业：

7.1Python源文件改写。编写一个程序，读取一个Python源程序文件，将文件中所有除保留字外的小写字母换成大写字母，生成后的文件要能够被Python解释器正确执行。

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])]:

fo.write(x+"\n")

else:

fo.write(x+"")import keyword

s = keyword.kwlist

n = input("输入一个文件名：")

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

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x = x.upper()

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fo.write(x+"\n")

else:

fo.write(x+"")import keyword

s = keyword.kwlist

7.2图像文件压缩。使用PIL库对图片进行等比例压缩，无论压缩前文件大小如何，压缩后文件小于10kb

from PIL import Image

im = Image.open("F:\\2.jpg")

(a,b) = im.size

nim = im.resize((160,120),Image.ANTIALIAS)

nim.save("F:\\21.jpg")

运行结果：

