from PIL import Image

#FUNCATIION

def overExpose(pixel):

red = pixel[0]

green = pixel[1]

blue = pixel[2]

newRed = red\*2 #average

if newRed >255:

newRed = 255

newGreen = green #average

if newGreen >255:

newGreen = 255

newBlue = blue #average

if newBlue >255:

newBlue = 255

p = (newRed,newGreen,newBlue)

newPixelList.append(p)

def middle(pixel):

red = pixel[0]

green = pixel[1]

blue = pixel[2]

average = ((red + green + blue)//3)

newRed = average

if newRed >255:

newRed = 255

newGreen = average

if newGreen >255:

newGreen = 255

newBlue = average

if newBlue >255:

newBlue = 255

p =(newRed,newGreen,newBlue)

newPixelList.append(p)

def overBlue(pixel):

red = pixel[0]

green = pixel[1]

blue = pixel[2]

newRed = red #average

if newRed >255:

newRed = 255

newGreen = green #average

if newGreen >255:

newGreen = 255

newBlue = blue\*2 #average

if newBlue >255:

newBlue = 255

p = (newRed,newGreen,newBlue)

newPixelList.append(p)

#Import the image

myImage = Image.open("ele2.jpg")

imageData = myImage.getdata()

pixelList = list(imageData)

newPixelList = []

length = len(pixelList)

part1 = length // 3

part2 = part1\*2

counter = 0

for pixel in pixelList:

if (counter < part1): #This is the top half of the photo

overExpose(pixel)

elif(counter < part2):

middle(pixel)

else: #This is the bottom half of the photo

overBlue(pixel)

counter = counter + 1

#add pixel to new pixel list

#open the image

newImage = Image.new("RGB", myImage.size)

newImage.putdata(newPixelList)

newImage.show()