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1 from PIL import Image
2
3 """
4 File: lab6.py
5 Name: Jesus A. Bernal Lopez - jebernal@csumb.edu
6 Due Date: 02/14/2019
7 Description: Explain what happens when we negate a negative image and
8 change the green and
9 blue channel values by reducing them by 30%.
10 """
11
12 """
13 ===== Task 1 =====
14 To negate a negative we simply do the same thing we do to get the
15 negative of an image. I passed the negative
16 image to the code that gets the negative of an image and I got the
17 original image.
18 """
19
20 """
21 ===== Task 2 =====
22 Change the green and blue channel values by reducing them by 30%.
23 """
24
25 def task2(image):
26     im = Image.open(image)
27     new_list = [(int(a[0]), int(a[1] * 0.7), int(a[2] * 0.7)) for a in
28                 im.getdata()]
29     im.putdata(list(new_list))
30     im.save("img/dog2.png")
31
32 if __name__ == "__main__":
33     task2("img/dog.png")
34
35 """
36 Summary: The lab was pretty easy, the only troubling thing was that I
37 tried to use the lambda
38 approach to get the new_list but was not able to figure it out so
39 reverted to using
40 list comprehension to get it done
41 """
42

```