1. What does RGBA stand for?

RGBA - Red Green Blue Alpha

Computer programs often represent a colour in an image as RBGA value

1. From the Pillow module, how do you get the RGBA value of any images?

Using Imagecolor we can get the color

from PIL import ImageColor

ImageColor.getcolor('red', 'RGBA')

1. What is a box tuple, and how does it work?

we can set the cropping area using box tuple as box =(left,top,right,bottom)

Pillow is expecting a tuple of four integer coordinates that represent a rectangular region in an image which are represented by box tuple (left,top,right,bottom)

Example: box tuple(1,2,3,4) which represents all the pixels in the box with area

1. Use your image and load in notebook then, How can you find out the width and height of an Image object?

from PIL import Image

image = Image.open('testimage.png')

width, height = image.size

1. What method would you call to get Image object for a 100×100 image, excluding the lower-left quarter of it?

from PIL import Image

SQUARE\_FIT\_SIZE = 100

logoIm = Image.open(‘test.png')

logoWidth, logoHeight = logoIm.size

1. After making changes to an Image object, how could you save it as an image file?

We can copy the original image and then use save to save the image after making edits

image=Image.open(‘test.png’)

image\_copy= image.copy()

crop\_image = image.crop((335, 345, 565, 560))

image\_copy.save(‘saved\_image.png’)

1. What module contains Pillow’s shape-drawing code?

ImageDraw module

1. Image objects do not have drawing methods. What kind of object does? How do you get this kind of object?

ImageDraw.draw() will get the drawing objects.

from PIL import Image, ImageDraw

im = Image.new('RGBA', (200, 200), 'white')

draw = ImageDraw.Draw(im)