1. What does RGBA stand for?

Red Green Blue Alpha

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

from PIL import Image

image = Image.open("C:\\Users\\anilk\\Downloads\\WhatsApp Image 2023-06-21 at 2.09.17 PM.jpeg")

image = image.convert("RGBA")

pixel = image.getpixel((150, 250))

print(pixel)

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

A box tuple is a type of list that tells us about a rectangular area or box inside an image. This box tuple has four numbers: left, upper, right, and lower. These numbers show where the edges of the box are located compared to the image.

4. 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("C:\\Users\\anilk\\Downloads\\WhatsApp Image 2023-06-21 at 2.09.17 PM.jpeg")

width, height = image.size

print("Width:", width , "Height:", height)

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

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

from PIL import Image

image = Image.open("C:\\Users\\anilk\\Downloads\\WhatsApp Image 2023-06-21 at 2.09.17 PM.jpeg")

crop\_img = image.crop((0, 100, 200, 200))

crop\_img.save("output\_image21.jpg")

crop\_img.show()

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

ImageDraw

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

The drawing methods is provided by ImageDraw object, which we get by calling the ImageDraw.Draw() method. To get the ImageDraw object associated with Image object, we need to call the ImageDraw.Draw() method and pass the Image object as an argument.

from PIL import Image, ImageDraw

imgOb = Image.open('path.jpg')

draw = ImageDraw.Draw(imgOb)