**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?**

In Pillow, RGBA values are represented by a tuple of four integer values. For example, the color red is represented by (255, 0, 0, 255). This color has the maximum amount of red, no green or blue, and the maximum alpha value, meaning it is fully opaque. Green is represented by (0, 255, 0, 255), and blue is (0, 0, 255, 255). White, the combination of all colors, is (255, 255, 255, 255), while black, which has no color at all, is (0, 0, 0, 255).

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

The **box**.**tuple** submodule provides read-only access for the **tuple** userdata type

Pillow is expecting a tuple of four integer coordinates that represent a rectangular region in an image. The four integers are, in order, as follows:

* **Left** The x-coordinate of the leftmost edge of the box.
* **Top** The y-coordinate of the top edge of the box.
* **Right** The x-coordinate of one pixel to the right of the rightmost edge of the box. This integer must be greater than the left integer.
* **Bottom** The y-coordinate of one pixel lower than the bottom edge of the box. This integer must be greater than the top integer

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

***PIL.Image.open()*** is used to open the image and then**.width** and **.height** property of Image are used to get the height and width of the image.

Ex:

**from** PIL **import** Image

# get image

filepath **=** "abc.png"

img **=** Image.open(filepath)

# get width and height

width **=** img.width

height **=** img.height

# display width and height

print("The height of the image is: ", height)

print("The width of the image is: ", width)

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

crop\_max\_square()

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

 PIL.**save**()

**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?**