1. What does RGBA stand for?

**Answer:**

**RGBA stands for Red-Green-Black-Alpha , Here Red,Green and Black denotes the color whereas the Alpha defines the opacity of a color. Value of Red,Green and Black ranges from(0 -255) and Albha(0-1).**

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

**Answer:**

**from PIL import Image**

**imgobj = Image.open('bangalore.jpg')**

**pixels = imgobj.convert('RGBA')**

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

**Answer:**

**Pillow’s functions and methods take a box tuple argument. This means 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?

Answer:

**from PIL import Image**

**imgobj = Image.open('bangalore.jpg')**

**pixels = imgobj.convert('RGBA')**

**imgobj.width 🡪 will give the width of the image**

**imgobj.height 🡪 will give the height of the image**

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

**Answer:**

**from PIL import Image**

**imgobj = Image.open('bangalore.jpg')**

**pixels = imgobj.convert('RGBA')**

**cropped = imgobj.crop((1,2,100,100)) 🡪 crop method will help us to crop the image**

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

**Answer:**

**from PIL import Image**

**imgobj = Image.open('bangalore.jpg')**

**pixels = imgobj.convert('RGBA')**

**imgobj= imgobj.save("geeks.jpg") 🡪 save function will save the image file.**

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

**Answer:**

**Pillow provides a drawing module called ImageDraw that you can use to create simple 2D graphics on your Image objects.**

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

**Answer:**

**from PIL import Image, ImageDraw**

**by using the ImageDraw method one can perform the drawing operation.**