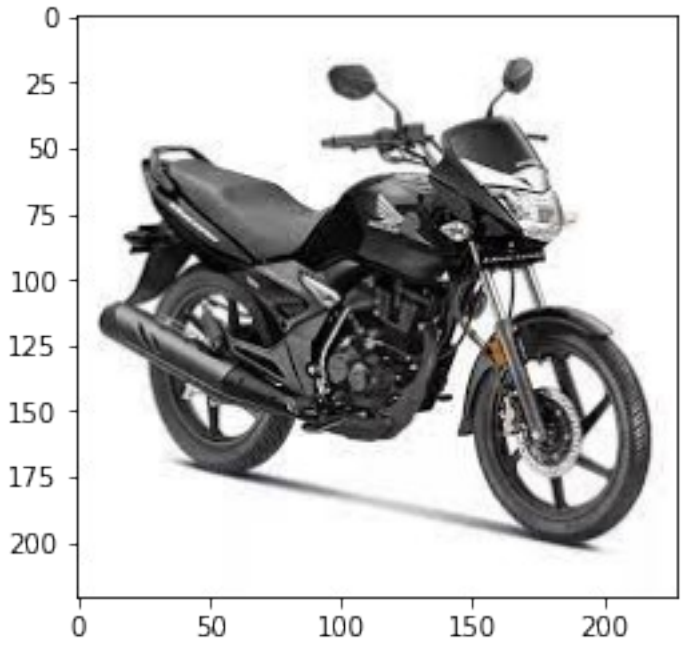
1. Use your image and load in notebook then, How can you find out the width and height of an Image object?

```
from PIL import Image
import matplotlib.pyplot as plt

# Open the image
image = Image.open("image.jpeg")

# Get the width and height using the size attribute
width, height = image.size

# Display the image and print the width and height
plt.imshow(image)
plt.show()
print("Width:", width)
print("Height:", height)
```




```
Width: 228
Height: 221
```

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

# Open the image
image = Image.open("image.jpeg")

# Define the coordinates for the box to exclude the lower-left quarter
box = (0, 50, 50, 100)  # (left, upper, right, lower)
```

```
# Crop the image using the box coordinates
cropped_image = image.crop(box)

# Display the cropped image
cropped_image.show()
```

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

```
from PIL import Image

# Open the image
image = Image.open("image.jpeg")

# Perform operations on the image (e.g., resize, crop, rotate)

# Save the modified image as a new file
image.save("modified_image.png")
```

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