

```
import numpy as np
import matplotlib.pyplot as plt
from PIL import Image
import requests
from io import BytesIO

# Helper function to load image from a URL
def load_image_from_url(url):
    response = requests.get(url)
    return Image.open(BytesIO(response.content))

# lion image URL
Lion_url = "https://imageio.forbes.com/specials-images/imageserve/68343344f63ca805c760d195/A-cub-lion-playing-withh-his-mother-s-tail-/960x0.jpg?forma

# Load lion image
lion = load_image_from_url(Lion_url)

# Display original image
plt.figure(figsize=(6, 4))
plt.imshow(lion)
plt.title("lion")
plt.axis("off")
plt.show()

# Convert to NumPy array and print shape
lion_np = np.array(lion)
print("lion image shape:", lion_np.shape)

# Convert to grayscale
lion_gray = lion.convert("L")

# Display grayscale image
plt.figure(figsize=(6, 4))
plt.imshow(lion_gray, cmap="gray")
plt.title("lion (Grayscale)")
plt.axis("off")
plt.show()
```