```
from google.colab import drive
drive.mount('/content/drive/')
     Mounted at /content/drive/
import cv2
import numpy as np
from tensorflow.keras.applications import ResNet50
from \ tensorflow. keras. applications. resnet 50 \ import \ preprocess\_input, \ decode\_predictions
from tensorflow.keras.preprocessing import image
# Load the pre-trained ResNet50 model
model = ResNet50(weights='imagenet')
     Downloading data from https://storage.googleapis.com/tensorflow/keras-applications/resnet/resnet50_weights_tf_dim_ordering_tf_kernels.h5
     102967424/102967424 [=============] - 0s Ous/step
# Load and preprocess the image
img_path = '/content/drive/MyDrive/elephant.jpg'
img = image.load_img(img_path, target_size=(224, 224))
img array = image.img to array(img)
img_array = np.expand_dims(img_array, axis=0)
img_array = preprocess_input(img_array)
# Get predictions
predictions = model.predict(img_array)
     1/1 [======] - 0s 325ms/step
# Decode predictions
decoded_predictions = decode_predictions(predictions)
# Display the top predictions
for i, (imagenet_id, label, score) in enumerate(decoded_predictions[0]):
    print(f"{i + 1}: {label} ({score:.2f})")
     1: Indian_elephant (0.85)
     2: tusker (0.08)
     3: African_elephant (0.07)
     4: Arabian_camel (0.00)
     5: water buffalo (0.00)
# Display the image with bounding boxes
img = cv2.imread(img path)
img = cv2.cvtColor(img, cv2.COLOR_BGR2RGB)
# Draw bounding boxes on the image
for _, label, score in decoded_predictions[0]:
    if score > 0.5: # Adjust the threshold based on your needs
       print(f"Object: {label}, Score: {score}")
        cv2.putText(
            img,
            f"{label}: {score:.2f}",
            (50, 50),
            cv2.FONT_HERSHEY_SIMPLEX,
            (255, 0, 0),
            2,
            cv2.LINE_AA,
       )
     Object: Indian elephant, Score: 0.8485648036003113
```

Display the image with bounding boxes
import matplotlib.pyplot as plt # Import the necessary module
plt.imshow(img)
plt.axis('off')
plt.show()

