In [5]:
```
from PIL import Image
import numpy as np
import cv2 as cv
import matplotlib.pyplot as plt
from struct import unpack
from PIL.ExifTags import TAGS
```

In [6]:
```
def read_image():
    path = "/media/rifat/STUDY/4-1/LAB/Image_Processing/image/tiger.jpeg
    image = Image.open(path)
    plt.imshow(image)
    return image
```

In [7]:
```
def details(image):
    print("Image Format : ",image.format)
```

In [16]:
```
def metadata(image):
    info_dict = {

        "Image Size": image.size,
        "Image Height": image.height,
        "Image Width": image.width,
        "Image Format": image.format,
        "Image Mode": image.mode,
        "Image is Animated": getattr(image, "is_animated", False),
        "Frames in Image": getattr(image, "n_frames", 1)
    }

    for label,value in info_dict.items():
        print(f"{label:25}: {value}")

    exifdata = image.getexif()

    for tag_id in exifdata:
        # get the tag name, instead of human unreadable tag id
        tag = TAGS.get(tag_id, tag_id)
        data = exifdata.get(tag_id)
        # decode bytes
        if isinstance(data, bytes):
            data = data.decode()
        print(f"{tag:25}: {data}")
```

In [23]:
```
if __name__ == "__main__":
    img = read_image()
    #img.show()
    details(img)
    metadata(img)
    print("\n\nAFTER CHANGING HEADER.............................")
    img.format = "png"
    metadata(img)

    img.save('Tiger1.png')
```

```
Image Format :  JPEG
Image Size               : (2292, 1500)
Image Height             : 1500
Image Width              : 2292
Image Format             : JPEG
Image Mode               : RGB
Image is Animated        : False
Frames in Image          : 1


AFTER CHANGING HEADER.............................
Image Size               : (2292, 1500)
Image Height             : 1500
Image Width              : 2292
Image Format             : png
Image Mode               : RGB
Image is Animated        : False
Frames in Image          : 1
```