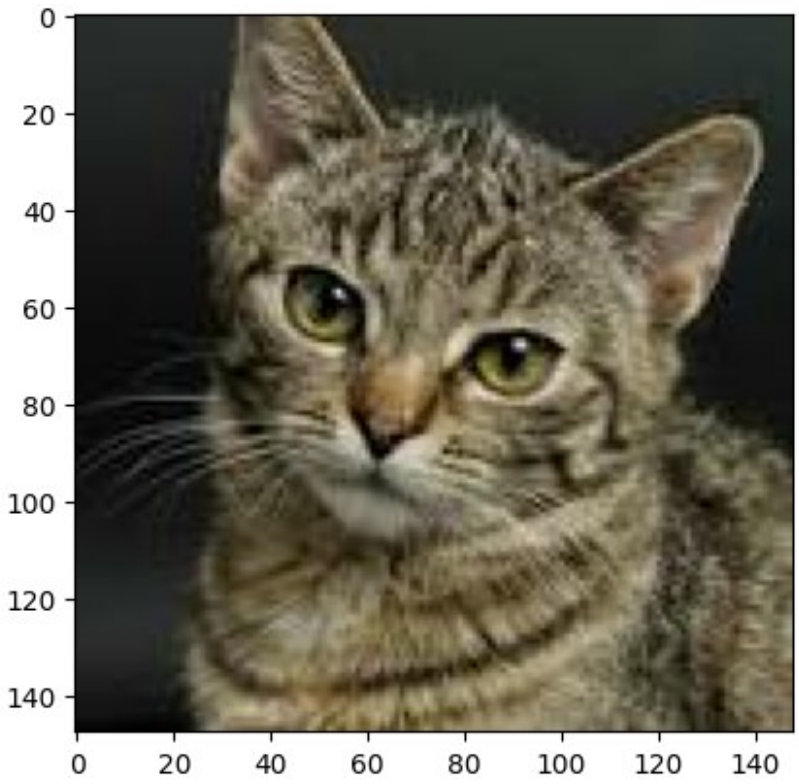
```
import tensorflow_hub as hub
import tensorflow as tf
from matplotlib import pyplot as plt
import numpy as np
import cv2

model = hub.load('https://tfhub.dev/google/magenta/arbitrary-image-stylization-v1-256/2')

def load_image(img_path):
    img = tf.io.read_file(img_path)
    img = tf.image.decode_image(img, channels=3)
    img = tf.image.convert_image_dtype(img, tf.float32)
    img = img[tf.newaxis, :]
    return img

content_image =
load_image('/kaggle/input/image-assignment/gettyimages-458464735-612x612.jpg')
style_image =
load_image('/kaggle/input/image-assignment/download.jpeg')

content_image.shape
```

```
TensorShape([1, 612, 494, 3])
```

```
plt.imshow(np.squeeze(style_image))
plt.show()
```




```
plt.imshow(np.squeeze(content_image))
plt.show()
```


```
stylized_image = model(tf.constant(content_image),
tf.constant(style_image))[0]

plt.imshow(np.squeeze(stylized_image))
plt.show()
```


```
cv2.imwrite('generated_img.jpg',
cv2.cvtColor(np.squeeze(stylized_image)*255, cv2.COLOR_BGR2RGB))
```

```
True
```