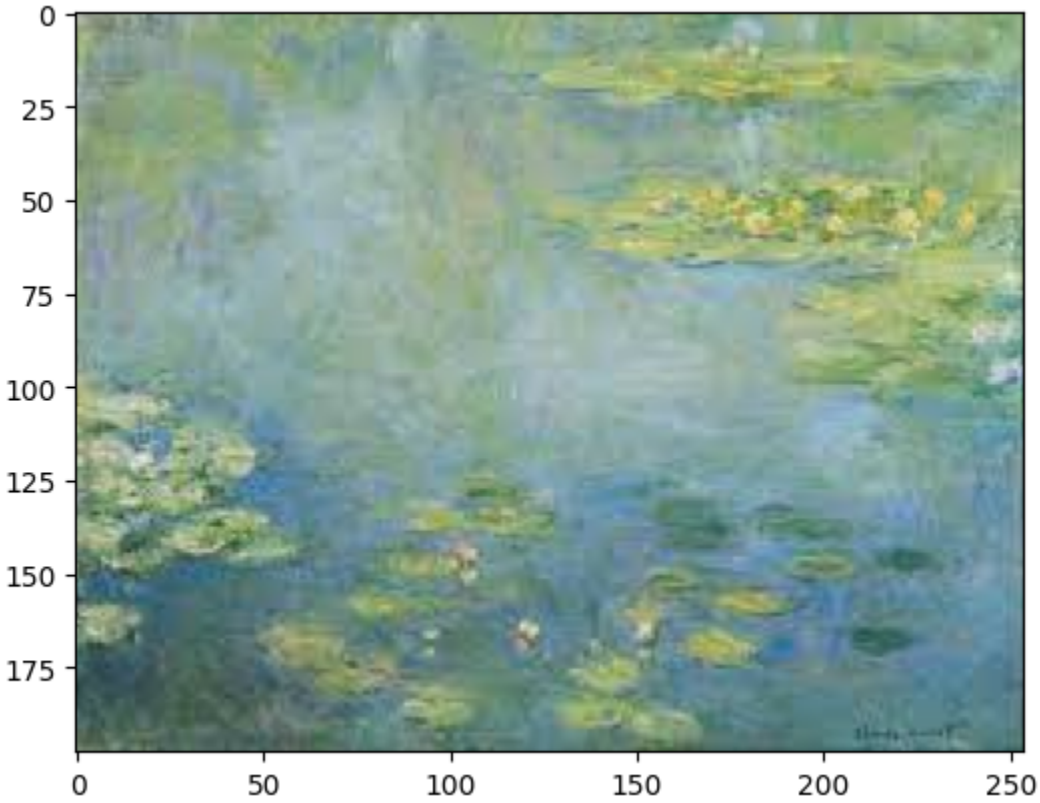
STYLE TRANSFORMERS

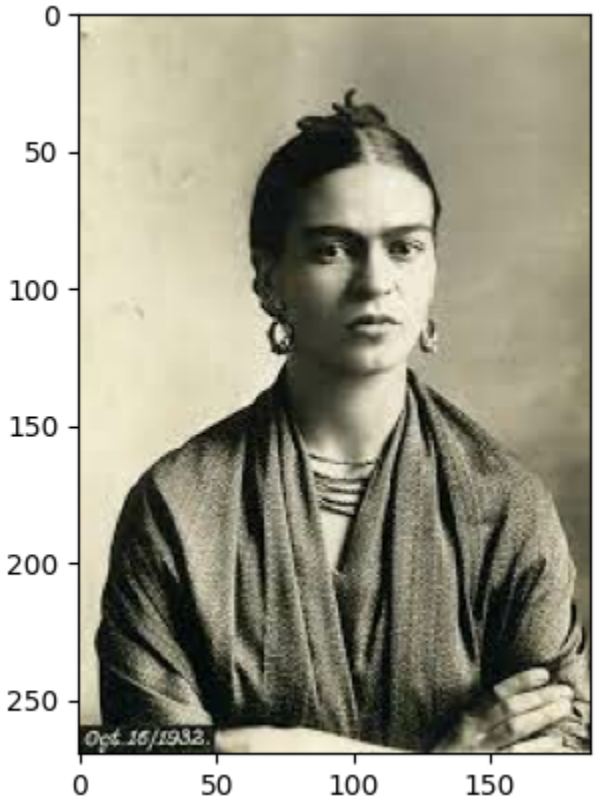
```
import tensorflow_hub as hub
import tensorflow as tf
from matplotlib import pyplot as plt
import numpy as np
import cv2
```

```
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
```

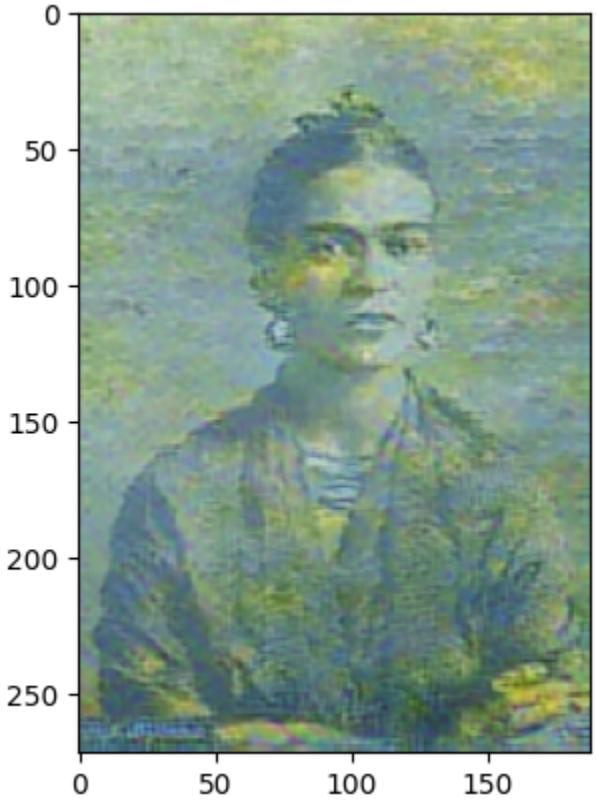
```
content_image=load_image('frida.jpeg')
style_image=load_image('monet.jpeg')
```

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






```
model = hub.load('https://tfhub.dev/google/magenta/arbitrary-image-stylization-v1
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.C
```



```
True
```