In [15]:
```
# importing the library
from PIL import Image
import matplotlib.pyplot as plt
import numpy as np
import imageio
```

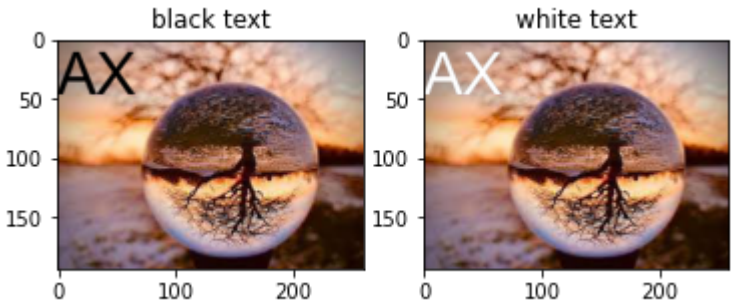
In [21]:
```
def grayscale(rgb):
    # 2 dimensional array to convert image to sketch
    return np.dot(rgb[...,:3], [0.199, 0.287, 0.214])
```

In [24]:
```
img_src = Image.open(r'C:\Users\hp\Downloads/tree.jpg')

# this open the photo viewer
image.show()
plt.imshow(image)
```

Out[24]:
```
<matplotlib.image.AxesImage at 0x11687ae5160>
```

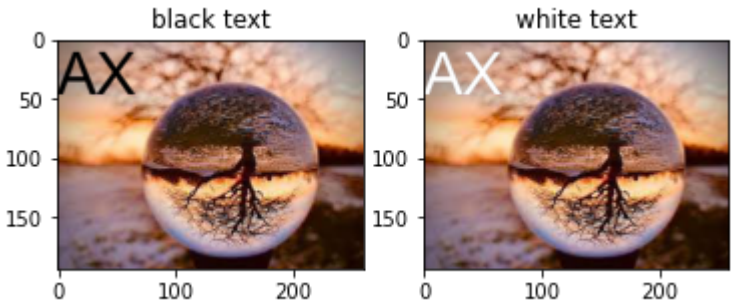
In [9]:
```
# text Watermark
from PIL import ImageFont
from PIL import ImageDraw
watermark_image = image.copy()

draw = ImageDraw.Draw(watermark_image)
font = ImageFont.truetype("arial.ttf", 50)

# add watermark
draw.text((0, 0), "AX",
        (0, 0, 0), font=font)
plt.subplot(1, 2, 1)
plt.title("black text")
plt.imshow(watermark_image)

# add watermark
draw.text((0, 0), "AX",
        (255, 255, 255), font=font)
plt.subplot(1, 2, 2)
plt.title("white text")
plt.imshow(watermark_image)
```

Out[9]:
```
<matplotlib.image.AxesImage at 0x116877a2f40>
```



In [12]:
```
# import all the libraries
from PIL import Image
from PIL import ImageFont
from PIL import ImageDraw
import matplotlib.pyplot as plt
import numpy as np

# image opening
image = Image.open(r'C:\Users\hp\Downloads/tree.jpg')
# this open the photo viewer
image.show()
plt.imshow(image)

# text Watermark
watermark_image = image.copy()

draw = ImageDraw.Draw(watermark_image)
# ("font type",font size)
font = ImageFont.truetype("arial.ttf", 50)

# add Watermark
# (0,0,0)-black color text
draw.text((0, 0), "AX", (0, 0, 0), font=font)
plt.subplot(1, 2, 1)
plt.title("black text")
plt.imshow(watermark_image)

# add Watermark
# (255,255,255)-White color text
draw.text((0, 0), "AX", (255, 255, 255), font=font)
plt.subplot(1, 2, 2)
plt.title("white text")
plt.imshow(watermark_image)
```

Out[12]:
```
<matplotlib.image.AxesImage at 0x116879244c0>
```



In [ ]:

In [ ]:

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