```python
import cv2
import matplotlib.pyplot as plt
import numpy as np
```
[2]

```python
image = cv2.imread('0001.jpeg',1)
window_name = 'img'
cv2.imshow(window_name,image)
cv2.waitKey(0)
cv2.destroyAllWindows()
```
[19]

```python
cropped_image = image[80:280,150:330]
cv2.imshow(window_name,cropped_image)
cv2.waitKey(0)
cv2.destroyAllWindows()
```
[4]

```python
resize_image = cv2.resize(image, [500,500])
cv2.imshow(window_name,resize_image)
cv2.waitKey(0)
cv2.destroyAllWindows()
```

```python
resize_image = cv2.resize(image, [500,500], interpolation=cv2.INTER_NEAREST)
cv2.imshow(window_name,resize_image)
cv2.waitKey(0)
cv2.destroyAllWindows()
```

```python
resize_image = cv2.resize(image, [500,500], interpolation=cv2.INTER_LINEAR)
cv2.imshow(window_name,resize_image)
cv2.waitKey(0)
cv2.destroyAllWindows()
```

```python
resize_image = cv2.resize(image, [500,500], interpolation=cv2.INTER_CUBIC)
cv2.imshow(window_name,resize_image)
cv2.waitKey(0)
cv2.destroyAllWindows()
```

```python
rotate_image = cv2.rotate(image, rotateCode=cv2.ROTATE_90_CLOCKWISE)
cv2.imshow(window_name,rotate_image)
cv2.waitKey(0)
cv2.destroyAllWindows()
```

```python
rotate_image = cv2.rotate(image, rotateCode=cv2.ROTATE_180)
cv2.imshow(window_name,rotate_image)
cv2.waitKey(0)
cv2.destroyAllWindows()
```

```python
    rotate_image = cv2.rotate(image, rotateCode=cv2.ROTATE_90_COUNTERCLOCKWISE)
    cv2.imshow(window_name,rotate_image)
    cv2.waitKey(0)
    cv2.destroyAllWindows()
```

```python
    cricle_image = cv2.circle(image, [150,150],100,(255,255,255),2)
    cv2.imshow(window_name,cricle_image)
    cv2.waitKey(0)
    cv2.destroyAllWindows()
```

```python
    rectangle_image = cv2.rectangle(image,[45,65],[200,150],(0,0,0),5)
    cv2.imshow(window_name,rectangle_image)
    cv2.waitKey(0)
    cv2.destroyAllWindows()
```

```python
    font = cv2.FONT_HERSHEY_SIMPLEX
    text_image = cv2.putText(image,'FLOWER',[50,50],font,2,(255,255,203),2)
    cv2.imshow(window_name,text_image)
    cv2.waitKey(0)
    cv2.destroyAllWindows()
```