

Add ellipses

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1. Implementation principle
2. Implementation effect
3. Implementation code

1. Implementation principle

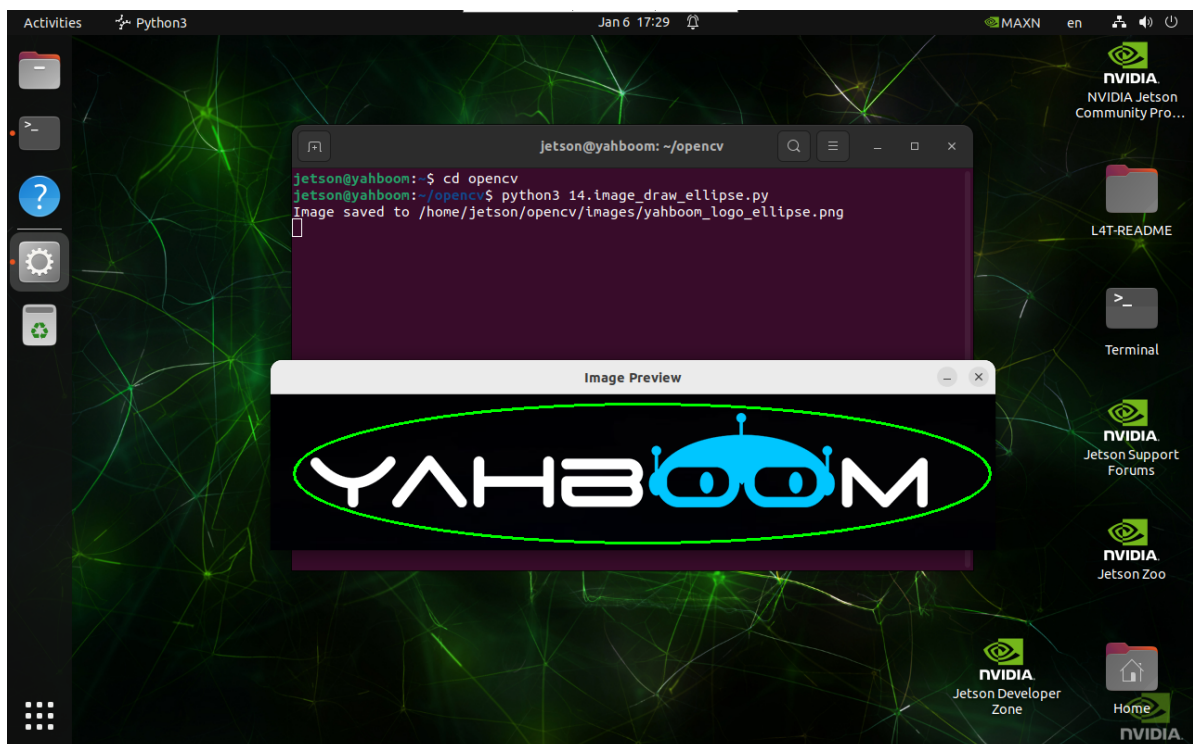
Use the `cv2.ellipse()` function to draw an ellipse on the image.

2. Implementation effect

```
cd ~/opencv
```

```
python3 14.image_draw_ellipse.py
```

Note: Select the image and press `q` to exit the program!



3. Implementation code

```
import cv2

def draw_ellipse(input_path, output_path, center, axes, angle, start_angle,
end_angle, color, thickness):
    image = cv2.imread(input_path)
    if image is None:
        print("Error: Unable to open image file.")
        return
```

```
cv2.ellipse(image, center, axes, angle, start_angle, end_angle, color,
thickness)
if cv2.imwrite(output_path, image):
    print(f"Image saved to {output_path}")
    cv2.imshow('Image Preview', cv2.imread(output_path))
    cv2.waitKey(0)
    cv2.destroyAllWindows()
else:
    print("Error: Unable to save image file.")

draw_ellipse('/home/jetson/opencv/images/yahboom_logo.png', \
            '/home/jetson/opencv/images/yahboom_logo_ellipse.png', \
            (400, 85), (375, 75), 0, 0, 360, (0, 255, 0), 2)
```