

Add circular shape

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

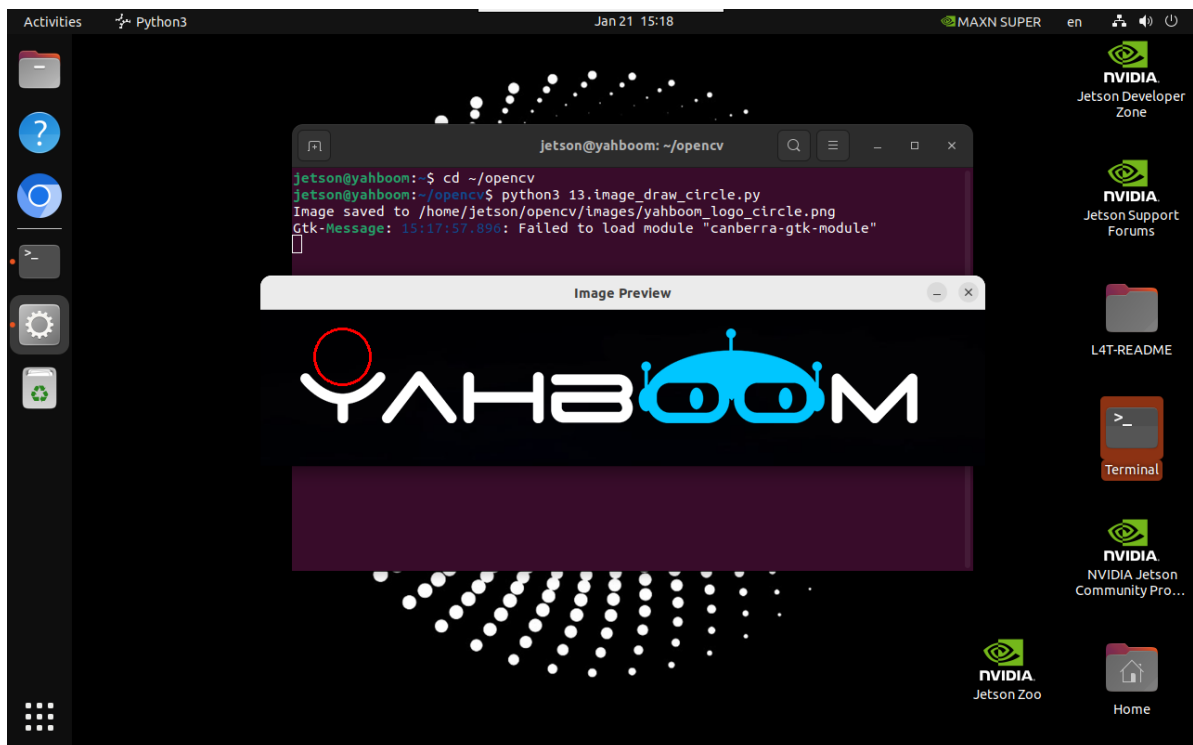
1. Implementation principle

Use the `cv2.circle()` function to draw a circle on the image.

2. Implementation effect

```
cd ~/opencv
```

```
python3 13.image_draw_circle.py
```



3. Implementation code

```
import cv2

def draw_circle(input_path, output_path, center, radius, color, thickness):
    image = cv2.imread(input_path)
    if image is None:
        print("Error: Unable to open image file.")
        return
    cv2.circle(image, center, radius, 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_circle('/home/jetson/opencv/images/yahboom_logo.png', \
            '/home/jetson/opencv/images/yahboom_logo_circle.png', \
            (88, 50), 30, (0, 0, 255), 2)
```