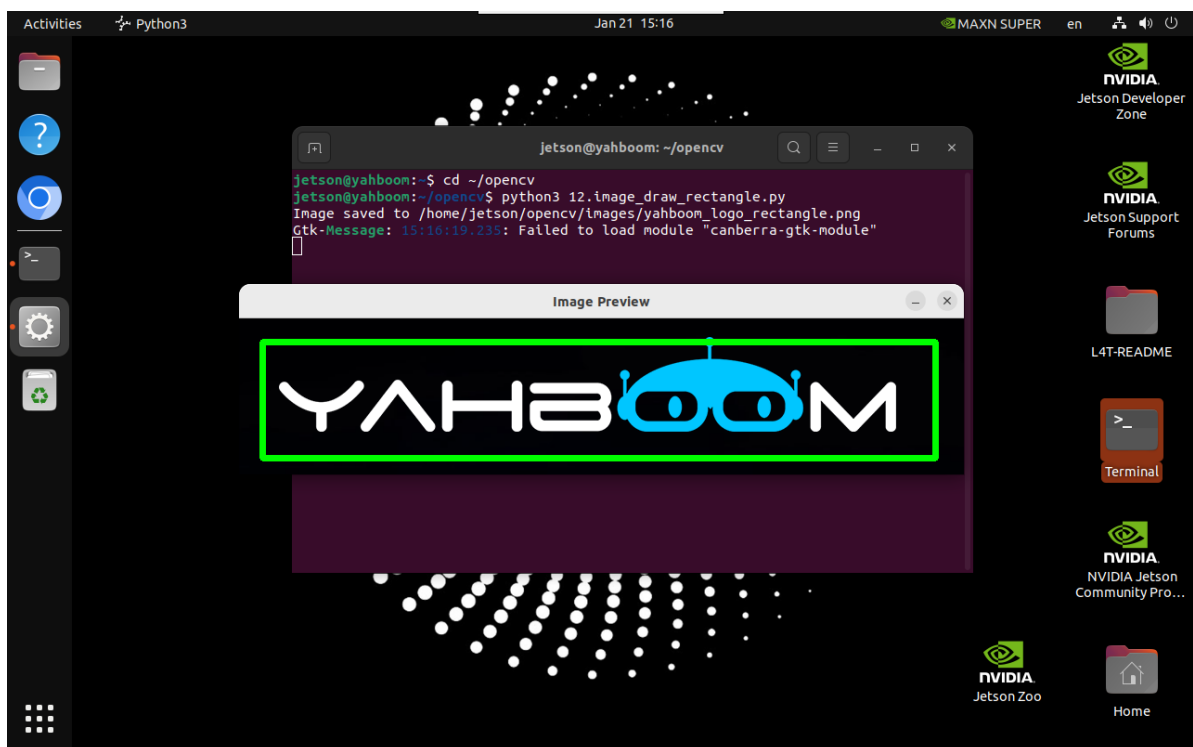# Add rectangles

1. Implementation principle

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

2. Implementation effect

```
cd ~/opencv
```

```
python3 12.image_draw_rectangle.py
```


3. Implementation code

```
import cv2

def draw_rectangle(input_path, output_path, top_left, bottom_right, color, thickness):
    image = cv2.imread(input_path)
    if image is None:
        print("Error: Unable to open image file.")
        return
    cv2.rectangle(image, top_left, bottom_right, color, thickness)
```

```python
    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_rectangle('/home/jetson/opencv/images/yahboom_logo.png', \
               '/home/jetson/opencv/images/yahboom_logo_rectangle.png', \
               (25, 25), (750, 150), (0, 255, 0), 5)
```