

Add line segments

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

1. Implementation principle

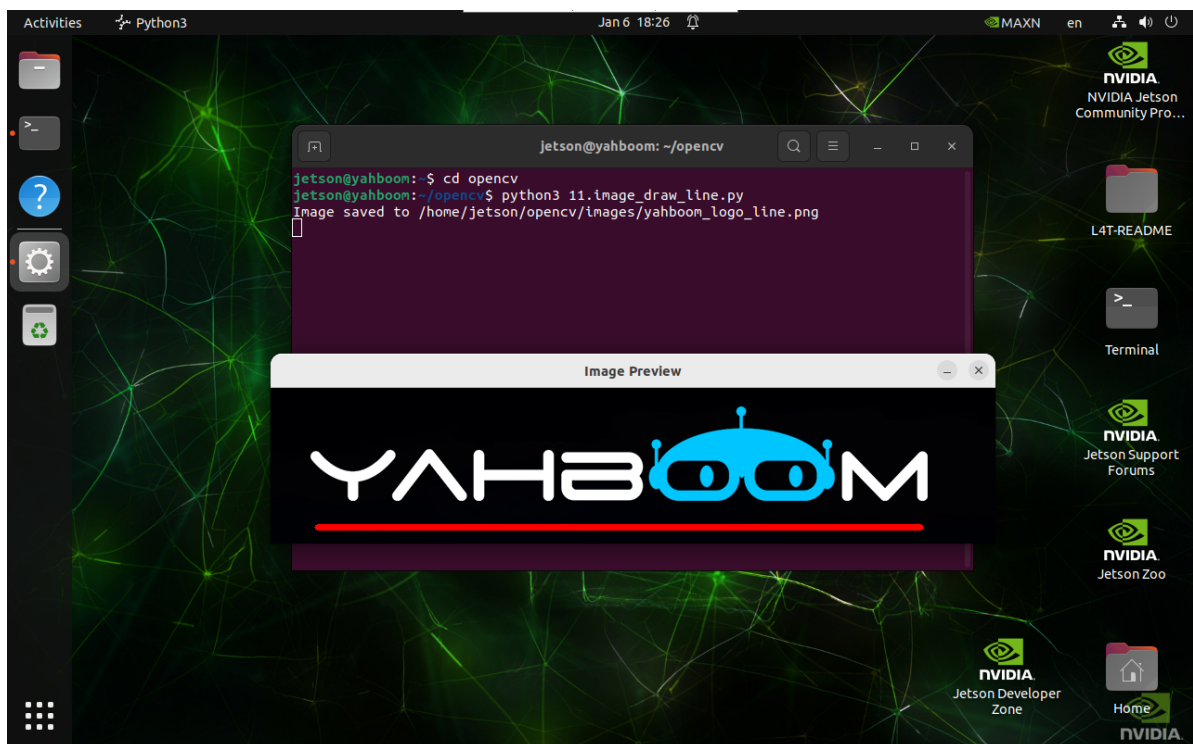
Use `cv2.line()` function to draw a short line on the image.

2. Implementation effect

```
cd ~/opencv
```

```
python3 11.image_draw_line.py
```

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



3. Implementation code

```
import cv2

def draw_line(input_path, output_path, start_point, end_point, color,
              thickness):
    image = cv2.imread(input_path)
    if image is None:
        print("Error: Unable to open image file.")
        return
```

```
cv2.line(image, start_point, end_point, 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_line('/home/jetson/opencv/images/yahboom_logo.png', \
          '/home/jetson/opencv/images/yahboom_logo_line.png', \
          (50, 150), (700, 150), (0, 0, 255), 5)
```