

Add Text

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

1. Implementation principle

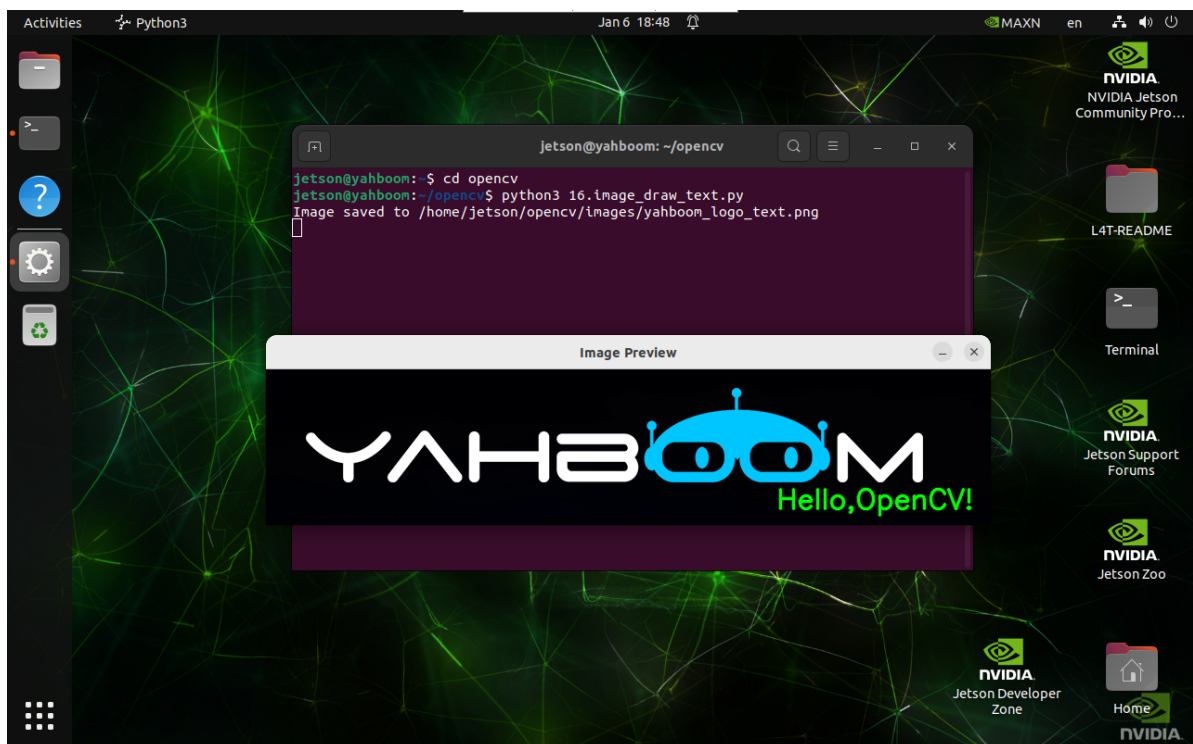
Use `cv2.putText()` function to draw text on the image.

2. Implementation effect

```
cd ~/opencv
```

```
python3 16.image_draw_text.py
```

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



3. Implementation code

```
import cv2

def draw_text(input_path, output_path, text, position, font, font_scale, color,
              thickness):
    image = cv2.imread(input_path)
    if image is None:
        print("Error: Unable to open image file.")
        return
```

```
cv2.putText(image, text, position, font, font_scale, color, thickness,
cv2.LINE_AA)
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_text('/home/jetson/opencv/images/yahboom_logo.png', \
          '/home/jetson/opencv/images/yahboom_logo_text.png', \
          'Hello, OpenCV!', \
          (550, 150), cv2.FONT_HERSHEY_SIMPLEX, 1, (0, 255, 0), 2)
```