Image edge detection

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1. Implementation principle

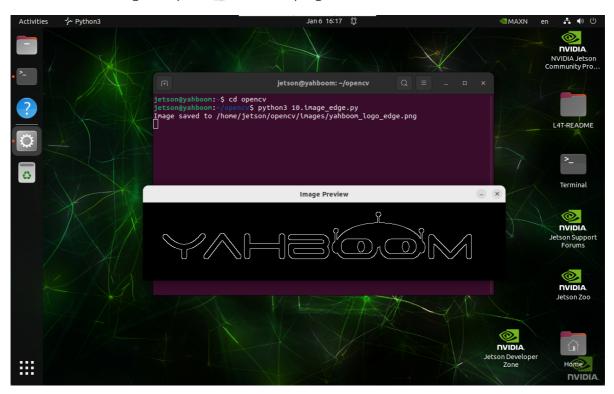
Use cv2.canny() function to detect the edge of the image.

2. Implementation effect

```
cd ~/opencv

python3 10.image_edge.py
```

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



3. Implementation code

```
import cv2

def edge_detection(input_path, output_path, threshold1, threshold2):
    image = cv2.imread(input_path, cv2.IMREAD_GRAYSCALE)
    if image is None:
        print("Error: Unable to open image file.")
        return
    edges = cv2.Canny(image, threshold1, threshold2)
```