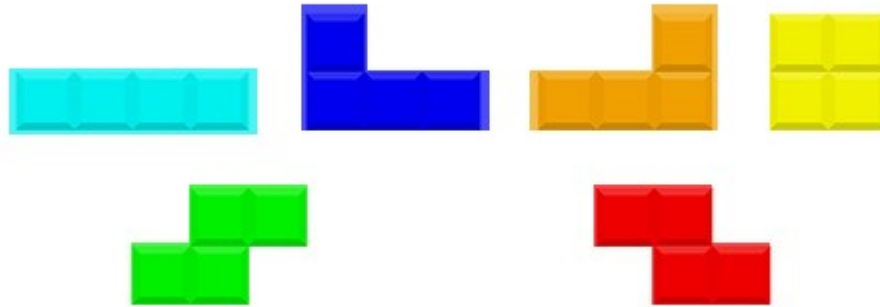


Day 5 of Computer Vision

Counting objects in given Image



Steps involved

- How to convert images to grayscale
- Performing edge detection
- Thresholding a grayscale image
- Finding, counting, and drawing contours

Canny Edge Detection

Canny Edge Detection is a popular edge detection algorithm.

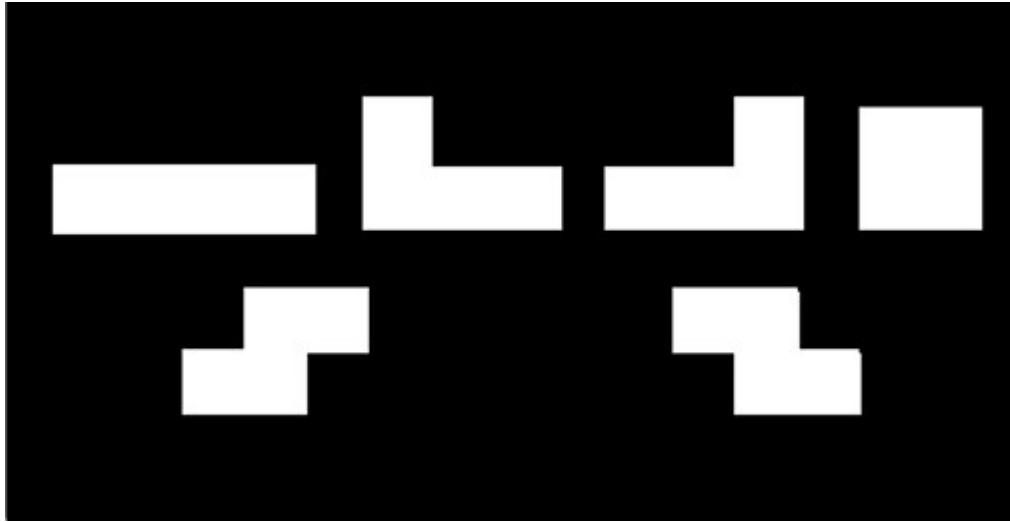
It was developed by John F. Canny

Edge detection is useful for finding boundaries of objects in an image
— it is effective for segmentation purposes.

```
Cv2.canny(img, min_value, max_value)
```

Thresholding

Image thresholding is an important intermediary step for image processing
It helps us to remove lighter or darker regions



Detecting and drawing contours

What are Contours?

-- Contours can be explained simply as a curve joining all the continuous points (along the boundary), having same color or intensity. The contours are a useful tool for shape analysis and object detection and recognition.

cv2.findContours()

cv2.drawContours()

Thank's