2. Image cutting

2.1. Image cutting

Image cutting first reads the image, and then obtains the pixel area in the array. In the following code, select the shape area X: 300-500 Y: 500-700. Note that the image size is 800*800, so the selected area should not exceed this resolution.

2.2. Actual effect display

Code path:

/home/pi/project_demo/06.Open_source_cv_fundamentals_course/B.Geometric_Transformations/02_Image_Cropping.ipynb

```
import cv2
img = cv2.imread('yahboom.jpg', 1)

dst = img[500:700,300:500] #Here we select a rectangular area X: 300-500 Y: 500-700

#cv2.imshow('image',dst)

#cv2.waitKey(0)
```

```
#bgr8 to jpeg format bgr8 to jpeg format
import enum
import cv2

def bgr8_to_jpeg(value, quality=75): return bytes(cv2.imencode('.jpg', value)[1]) ``` ```python import ipywidgets.widgets as widgets image_widget1 = widgets.Image(format='jpg', ) image_widget2 = widgets.Image(format='jpg', ) # display the container in this cell's output display(image_widget1) display(image_widget2) img1 = cv2.imread('yahboom.jpg',1) image_widget1.value = bgr8_to_jpeg(img1) #Original image The original image image_widget2.value = bgr8_to_jpeg(dst) #Cropped image cropped image ``` ![](62o.png)
```