Assignment 1
COMP6528
Computer Vision
24S1
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Yichi Zhang

1 Task 1: Basic Image I/O

1.1 Question 1

All the runnable code will be provided in the code file. Hereinafter same.

According to section 1.1 in the code file, we can complete the save operation according to the following code.

```
# Load the provided images
# (I change their name to XXXX_original.jpg to avoid confusion)
image1 = cv2.imread('image1_original.jpg')
image2 = cv2.imread('image2_original.jpg')
image3 = cv2.imread('image3_original.jpg')

# Resize the images to 1024 x 720
image1 = cv2.resize(image1, (1024, 720))
image2 = cv2.resize(image2, (1024, 720))
image3 = cv2.resize(image3, (1024, 720))

# Save the resized images as JPG files
cv2.imwrite('image1.jpg', image1)
cv2.imwrite('image2.jpg', image2)
cv2.imwrite('image3.jpg', image3)
```

1.2 Question 2

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

As shown in Figure 1, the results indicate that...

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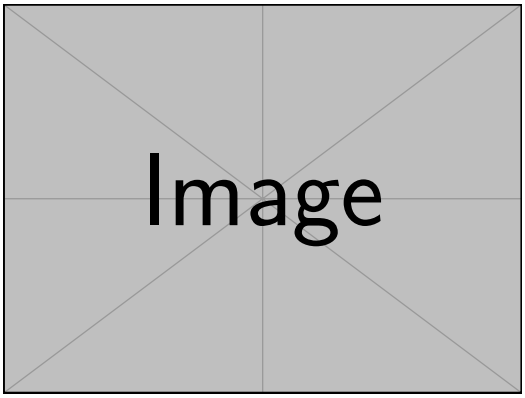

Figure 1: Descriptive caption

References

[1] Author, *Title*. Publisher, Year.