

Machine Vision

Lab – 7 and Lab - 8

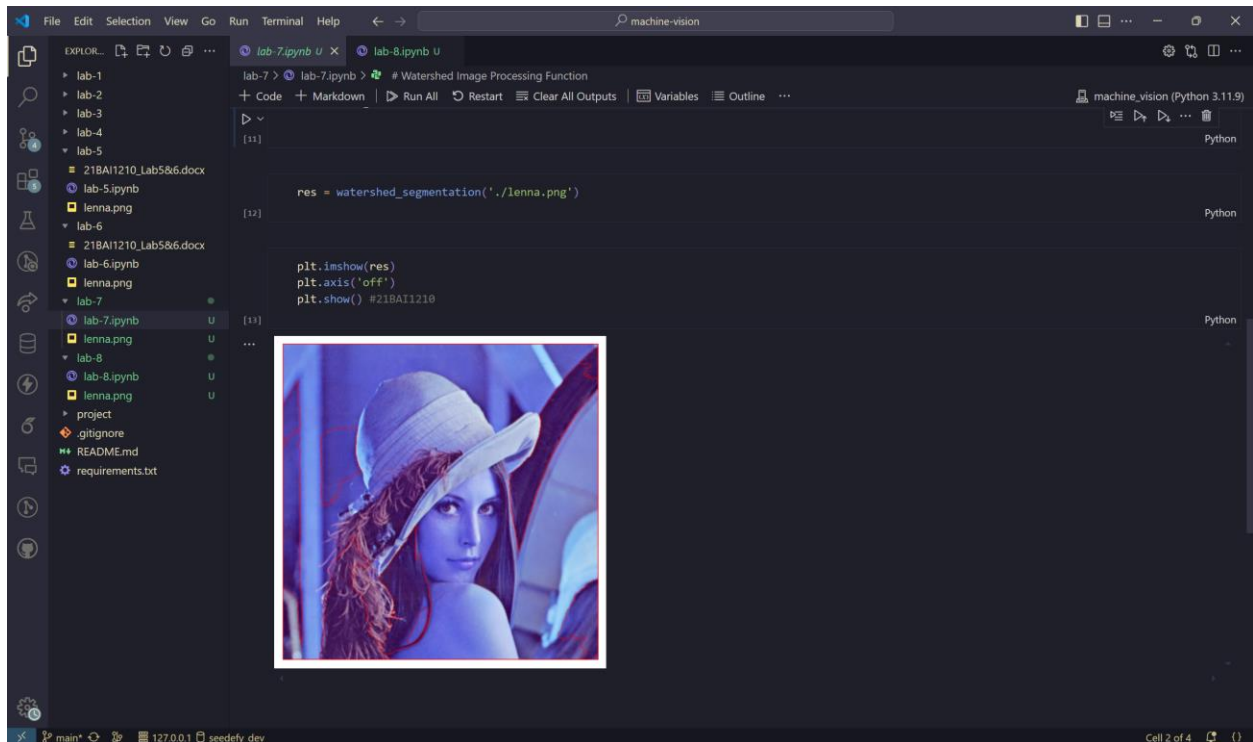
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Lab 7:

Jupyter notebook code can be found [here](#)

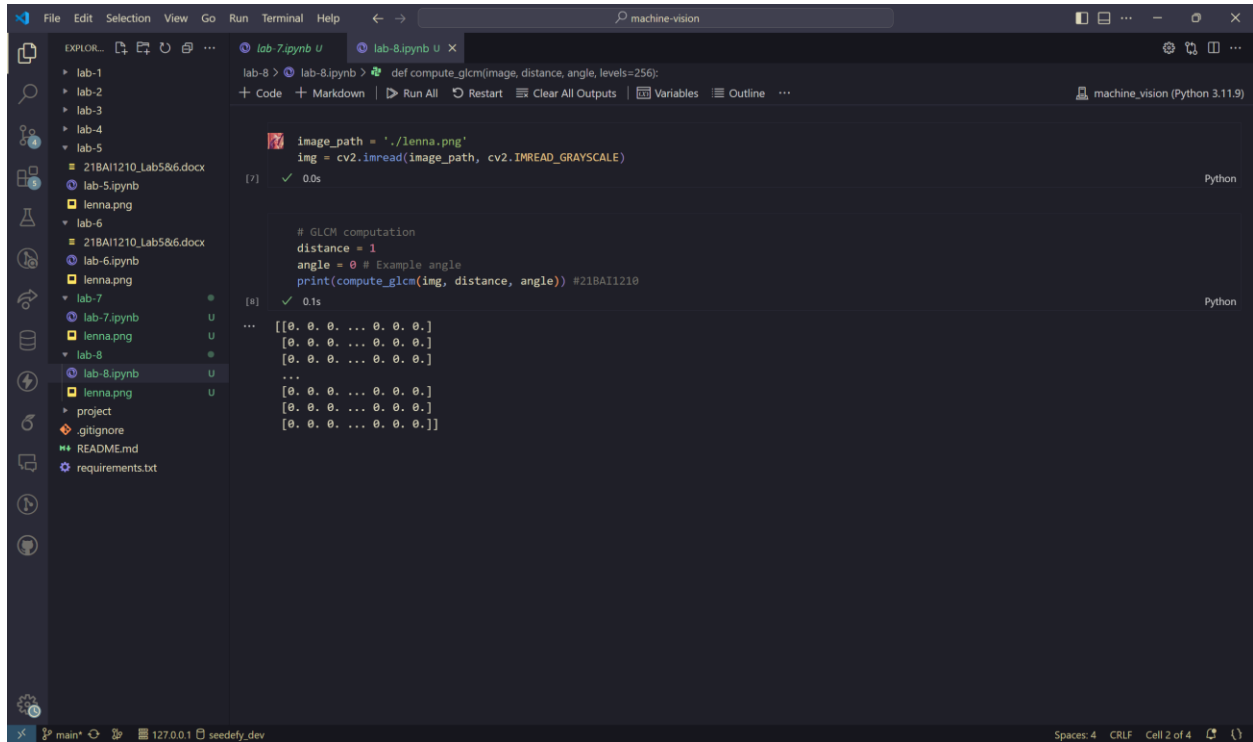
Output for Lab 7:



Lab 8:

Jupyter notebook code can be found [here](#)

Output for Lab 8:



```
lab-8 > lab-8.ipynb > def compute_glcmm(image, distance, angle, levels=256):  
+ Code + Markdown | ▶ Run All ⏮ Restart ⏻ Clear All Outputs | 📄 Variables 📄 Outline ...  
machine_vision (Python 3.11.9)  
  
image_path = './lenna.png'  
img = cv2.imread(image_path, cv2.IMREAD_GRAYSCALE)  
[?] ✓ 0.0s Python  
  
# GLCM computation  
distance = 1  
angle = 0 # Example angle  
print(compute_glcmm(img, distance, angle)) #21BA11210  
[a] ✓ 0.1s Python  
...  
[[0. 0. 0. ... 0. 0. 0.]  
 [0. 0. 0. ... 0. 0. 0.]  
 [0. 0. 0. ... 0. 0. 0.]  
 ...  
 [0. 0. 0. ... 0. 0. 0.]  
 [0. 0. 0. ... 0. 0. 0.]  
 [0. 0. 0. ... 0. 0. 0.]]
```