

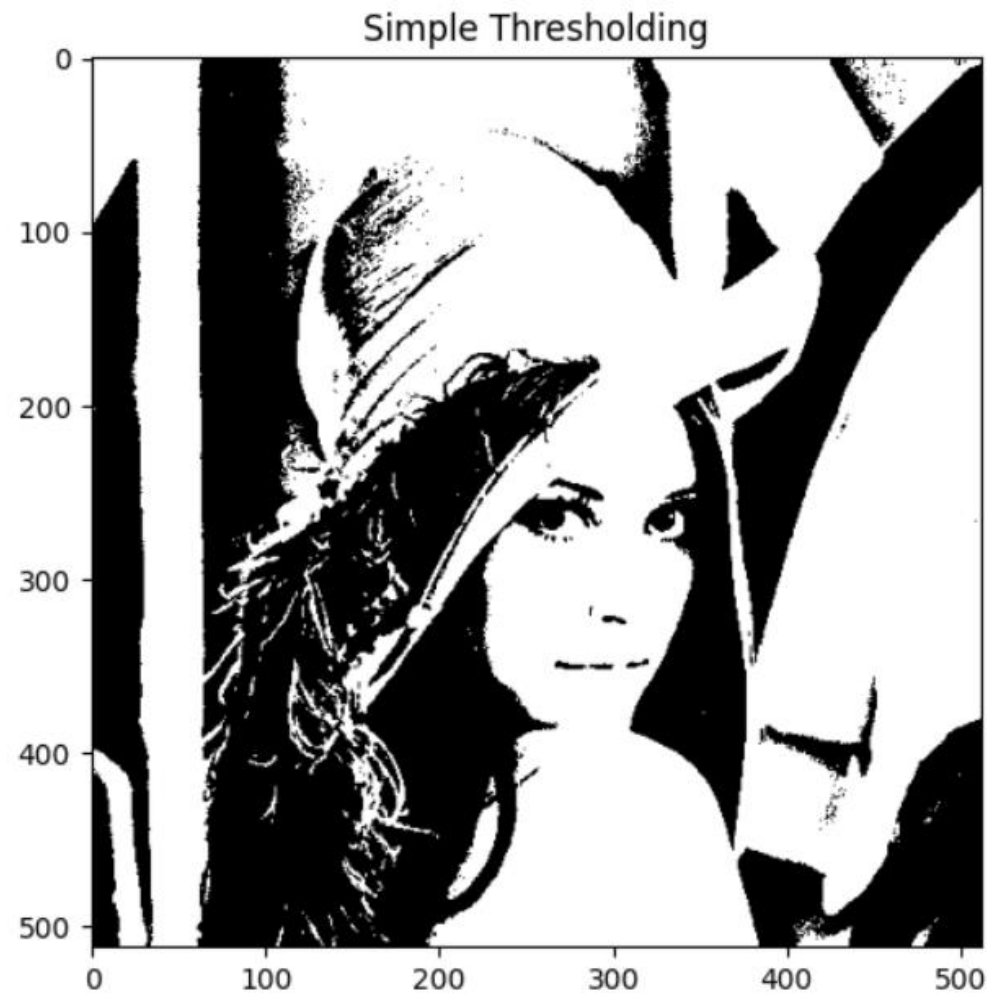
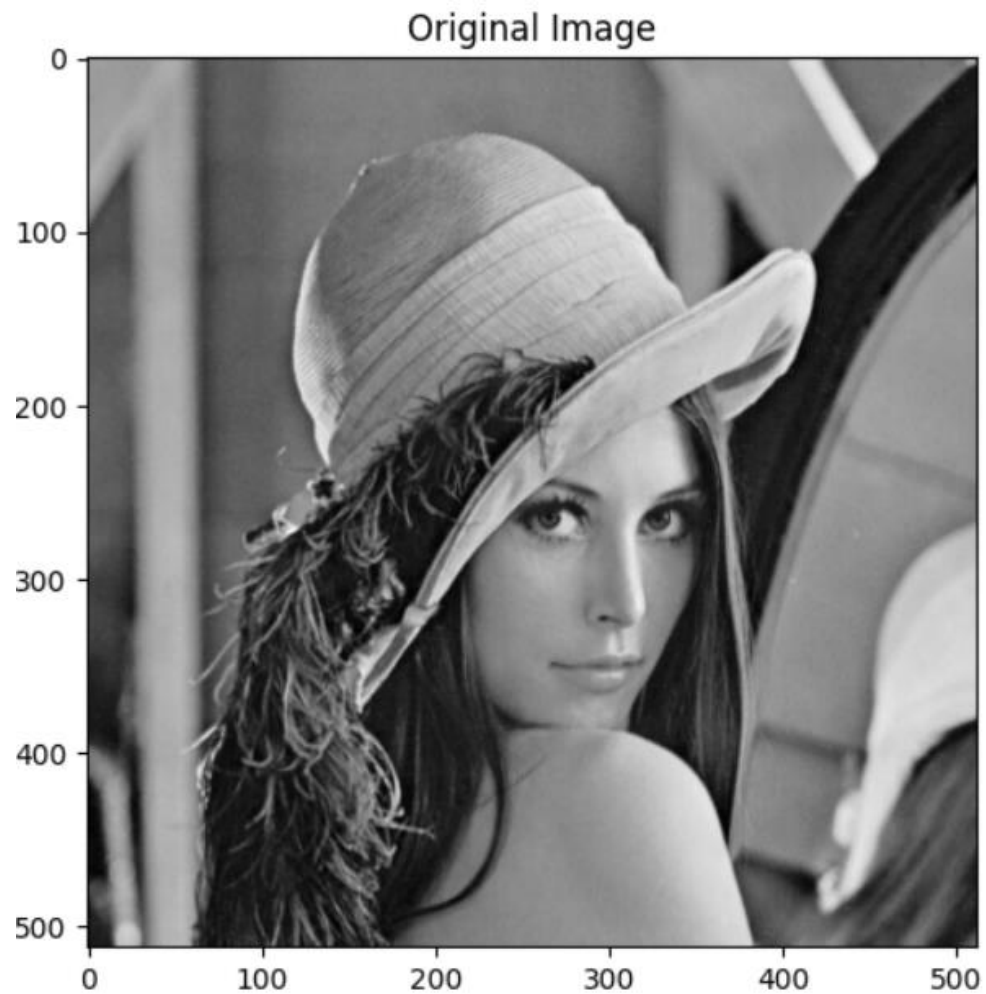
Assignment #1

**Python Platform &  
Basic Image Processing**

# Requirements

1. Setup Python coding environment (Google Colab or your Laptop/PC).
2. Learn OpenCV (cv2 in Python) with the tutorial “OpenCV\_tutorial.ipynb”, which contains the function of opening a RGB image, image blurring, edge detection, and circle detection.
3. Explain and report the codes in **Part A** and the codes before **Part A**.
4. Implement the functions of image thresholding and image histogram by using OpenCV in **Part C** with the aids of Gemini or ChatGPT.

# Image Thresholding



# Image Histogram

