

HW1

☐ Due on 10/20, pm 11:59

☐ 1. Image Read/Write

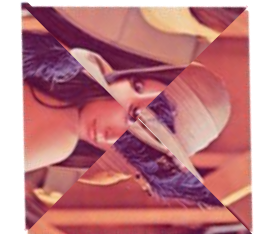
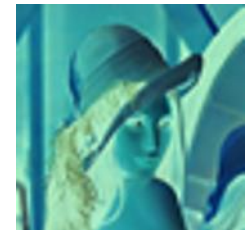
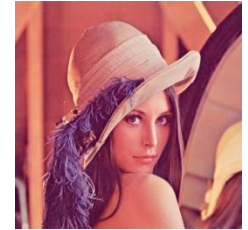
- Write a program to implement "bmp" format image reading and writing.

☐ 2. Generate a color negative image.

☐ 3. Split and reassemble into new image.

☐ Bonus

- Resize the image as double size and one-half size.
 - ☐ Hint: decode the width/height from the header.
- Repeat 1~3 for the resized image.



HW1

☐ Hint

- You can resize the image to debug your program.
- R/W of non-squared image must adjust the header.

☐ Requirements

■ Two Programs

- ☐ C or C++ source code with .exe file (You are NOT allowed to use any library, such as OpenCV)
- ☐ source code by using OpenCV

■ Report

- ☐ Describe the employed source code editor and how to execute your program (input/interface/output)
- ☐ Introduce your work, method, and discussions
- ☐ With all of the images or results

■ Upload to i-school Plus