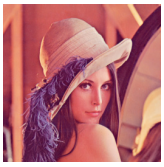
HW1



- Due on 10/12, pm 11:59
- Image Read/Write
  - Write a program to implement "bmp" format image reading and writing.
- Image Rotation
  - Do a 90-degree clockwise rotation over the input image to generate the output image.

- Image Channel Interchange
  - Interchange the channels of the rotated image, i.e., R ⇨ G, G ⇨ B, B ⇨ R.
- Bonus
  - Read and rotate the image with different size. (lena1024.bmp, lena_cropped.bmp)
    - Hint: decode the width/height from the header.

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)
    - VC++ project 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 NTUT Elearning