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CSCI 4810/6810
Fall 2022
Program 5 / assignment 4

Due Date: November 21, 2022 (Monday); 11:59pm

Implement the following two functions (assume RGB pictures):

- Steganography: EMBED/HIDE secret information/TEXT into a "cover image".

- Steganography: EXTRACT secret information/TEXT from a "cover image".

Embed the above functions to form a complete program (build a simple user-interface). Experiment with your program. Write a report. Your mission in writing this report is to convince the reader that your program works correctly.

Experimentation should include/involve the use of N Least Significant Bit; N is provided by the use.

SUBMISSION:
Include your report, source programs, and all misc materials together with a demo video in a directory. Upload the directory to ELC for grading purposes (on ELC: go to Tools/Assignment/**Assignment 4** to upload your directory).

The directory should include at least the followings:
1.   Source Code(s)
2.   A Video showing (demonstrating) the execution of your program (illustrating that your program works correctly)
3.   Your report (in PDF) should also be included in the same directory.

(30 points)