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Project 4

Questions 1-3

1. Use the attached program stegoRead.c to extract the hidden file contained in aliceStego.bmp.
2. Use the program stego.c to insert another file into a different (uncompressed) image file and extract the information.
3. Provide screenshots of the image file from number 2, both with and without the hidden information. The should be indistinguishable.
4. Answer: The hidden File was a “blank” PDF with a table of contents and an Alice’s Adventures in Wonderland sections. To get the result the Cygwin terminal was installed. Then in the terminal gcc followed by the path to the stegoRead.c file was entered. The executable file returned was a.exe, then using the format returned with ./a.exe I got the pdf by putting the extension to the end of the file name. The extracted PDF will be attached in the submission.
5. Answer: Similar to the first question the using the Cygwin terminal I got the exe of stego, used ./stego.exe to get the format, then filled out the format with the correct files and got a new encrypted picture of alice with a txt as the encrypted file.

A screenshot of a computer

Description automatically generated with low confidence

Q5

A screenshot of a computer

Description automatically generated with medium confidence