CMPT 365 – Programming Assignment 1

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# Program Screenshots:

The following screenshots will show what each “.bmp” file looks like within the program before showcasing the functionality of the other features on the sample file “BIOS.bmp”.

A screenshot of a computer

AI-generated content may be incorrect.

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“BIOS.bmp” at 50% brightness and 50% scale.

A screenshot of a computer screen

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“BIOS.bmp” with different RGB channels enabled.

# Essential Code Explanation:

This section will only explain parts of the code that are either not completely obvious, or complex enough to warrant an explanation. Simple functions, for example such as functions that get the value of something will not be explained.

**get\_color\_table(*bmp\_bytes, bpp*)**

This function retrieves the color table of a “.bmp” file by parsing through the color table only if the bits per pixel (bpp) of the file is 1, 4, or 8 bpp. 24 bpp images do not store color on a color table hence it will return nothing if that’s the case.

A screenshot of a computer program

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