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ECE324

Assignment 1

If the two files you compared above are the same, does it prove that your code is correct? Explain your answer.

This is not entirely sufficient to prove that my code is correct for two reasons. Although it is rare, it is possible to generate the same answer using the for-loop iteration with an incorrect method. For example, a flaw with the current method is that it does not error-check against incompatible matrix and vector dimensions (i.e. number of columns of matrix = number of rows of vector). Applying the comparison to a variety of test cases will ensure more confidence in my code.

To test your code from above, copy your code into the notebook file provided part2_test.ipynb and run your code and then the test code. What is the output in the terminal?

```
Input:  [ 10   5  -5 -10]
Output: [-1.5 -2.8  1.6 12.8]
```

How does the image img_add.png differ from the original image? What would happen if we had subtracted 0.25 from the original image instead of adding?

The colours of img_add.png are lighter than the original image. If we had subtracted 0.25, the colours would be darker than the original image.

Describe your programming experience in a few paragraphs. This can include the courses you have taken here at UofT, but if you have more experience, describe that as well.

My programming experience is limited to the prerequisite courses offered during the first 2 years of the Engineering Science curriculum and high school computer science courses. Hence, I would not recommend you bet any money on me in a programming contest against a 6-year old Asian child.

Describe your experience with Assignment 1: how clear were the installation instructions and questions? How can we make it more helpful?

Installation instructions were very clear and concise. There were some minor instances where programming instructions were not explicit enough – for example, my initial interpretation of the Compose class was to pass the same input to each of the functions.