**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?***



***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.