**Problem 1.** Please use OpenAI API to write a poem about a special topic different from code recursion or New England Foliage. Please format the poem so that every verse prints on a separate line and all stanzas are separated by an empty line. Could you control the length of your poem? Do one or two trials, only.

**Problem 2**. Modify notebook neural\_style\_transfer.ipynb so that it takes as its content input some other photograph and not the photograph of Paris, France. Also, as your style input select some other painting different from the Van Gogh’s Starry Night painting used in the original notebook. Please run the neural\_style\_transfer.ipynb notebook with new inputs. Please submit working notebook and its HTML image.

**(35%)**

**Problem 3**. Modify notebook dcgan.ipynb so that it takes as its input Fashion MNIST rather than hand-written digits MNIST. Please run the dcgan.ipynb notebook with new inputs. Please submit working notebook and its HTML image.

**(35%)**