14.07 Evaluation Questions

1. I had trouble coming up with the initial approach to the frequency analysis; in the end I just decided to use the ASCII character codes as I have used them a lot in past programs, and they seem to work well with arrays. Also, I had to review fil reading and writing, as the conventions for that are very specific.
2. The frequencies of the letters were pretty close in the plaintext and the cypher text, the accuracy could be improved with a longer text such as a book or a long report, or if the texts came from the same time period or setting.
3. To have the computer actually decode the message, the program would first have to find the most occurring letter in each of the frequency arrays, and store them in two separate key arrays. Do the same with every letter in both arrays until you have two keys with the letters in descending order by frequency. Once the keys are generated, a normal Caesar cypher program could be used to just substitute the characters, and the results could be printed to the screen so the user can make any necessary adjustments.