**Final Report:**

One problem that I ran into was being able to decrypt the message after it had been encrypted. I needed a way to keep the encryption method somewhat randomized every time, but I also needed the decryption program to know how to alter the message again. In order to overcome this, I used a character that was added into the final output of the encryption program that allowed to decryption program to determine what values to decrease the Unicode values by. Another problem I ran into was not knowing how to randomly increase each character of the string and still be able to decrypt the message. I did not know how to transfer those methods across programs without severely increasing the length of the final encrypted message.