Fall 2020 CIS 3362 Week One Assignment
Assigned: 8/24/2020
Due: 8/28/2020 (via Webcourses)

Note: Unlike the rest of the course assignments, this one is to be done individually.

For questions 1 - 3 decode each message. The techniques used to encrypt the messages are given in parentheses right before the cipher text. In your write-up, explain the process you used to decrypt and include any code you might have used as an aid. Please do not use websites that automatically solve ciphers as most of your grade will be based on your description of the decryption process and **original code** you include in your write up.

1) (shift)

```
mubsecujelyhjkqbshofjewhqfxo
```

2) (shift)

```
uibpmuibqkaivlkwvaqlmzqvoittxwaaqjqtqbqmaeqttjmquxwzbivbqvbpqakw
czam
```

3) (affine)

```
dfgsqfdfmebburmiuvfmzuomeoadgtzmeywudfeigcvsdmzudenngwocmdgurdzg
xsimagsdgksudmebmwucvgzderduxmeourizavdgqzevfaosifeodfmmldmrxmxm
sinuxmerenqgzudfc
```

4) Using the affine cipher with the encryption keys a = 7 and b = 22, encrypt the following plaintext:

```
canyoucomeupwithabadquestionorjokethathasallthelettersinazoowith
afoxgiraffeorvulture
```

Note: If you write a program to perform the encryption, please include the text of that program in your write-up.