

Kennan Lyle Seno  
D14123582  
Lab 1

Question 1: Using the caesar cipher python code supplied

```
message = "HELLO WORLD"
key = 1000
print "Key: " + str(key)

encryptedText = encrypt(message, key)
print "Encrypted text: " + encryptedText
print "Decrypted text: " + decrypt(encryptedText, key)
```

Line 1: variable 'message' to store the plaintext

Line 2: variable 'key' to store the key used for encrypting the plaintext

Line 3: variable print out the key

Line 4: use encrypt() function and pass the message and key variables as arguments to to and store it in the variable 'encryptedText' to store the ciphertext

line 5: print out the ciphertext

line 6: use decrypt() function to decrypt the ciphertext by passing the 'encryptedText' as an argument and the 'key' variable used and print out the decrypted text.

Question 2: Using the rail fence cipher python code supplied

```
message = "HELLO WORLD"
key = 4
print "Key: " + str(key)
encryptedText = encrypt(message, key)
print "Encrypted text: " + encryptedText
print "Decrypted text: " + decrypt(encryptedText, key)
```

Line 1: variable 'message' to store the plaintext

Line 2: variable 'key' to store the key used for encrypting the plaintext

Line 3: print out the key

Line 4: use encrypt() function and pass the message and key variables as arguments to to and store it in the variable 'encryptedText' to store the ciphertext

line 5: print out the ciphertext

line 6: use decrypt() function to decrypt the encrypted text by passing the 'encryptedText' as an argument and the 'key' variable used and print out the decrypted text.