# Ps4b

runfile('D:/Users/selva/Documents/Coding/MIT OCW/6.0001/ps4/ps4b.py', wdir='D:/Users/selva/Documents/Coding/MIT OCW/6.0001/ps4')

message = Message("Hello World!")

message.apply\_shift(1)

runfile('D:/Users/selva/Documents/Coding/MIT OCW/6.0001/ps4/ps4b.py', wdir='D:/Users/selva/Documents/Coding/MIT OCW/6.0001/ps4')

plaintext\_message = PlaintextMessage("Hello World!", 2)

print("Expected output: 2 \n Actual output: ", plaintext\_message.get\_shift())

print("Expected output: {'a':'c', } etc. \n Actual output: ", plaintext\_message.get\_encryption\_dict())

print("Expected output: 'Jgnnq Yqtnf!' \n Actual output: ", plaintext\_message.get\_message\_text\_encrypted())

# Ps4c

## SubMessage.methods()

runfile('D:/Users/selva/Documents/Coding/MIT OCW/6.0001/ps4/ps4c.py', wdir='D:/Users/selva/Documents/Coding/MIT OCW/6.0001/ps4')

message2 = SubMessage("Hello World!")

print("Expected output: Hello World! \n Actual output: ", message2.get\_message\_text())

message2.get\_valid\_words()

print("Expected output: {'a':'e', 'e':'a', 'i':'i', 'o':'u', 'u':'o'}\n Actual output: ", message2.build\_transpose\_dict("eaiuo"))

print("Expected output: Hallu World!\n Actual output: ", message2.apply\_transpose(message2.build\_transpose\_dict("eaiuo")))