Project 1 - Readme File

How to run the program?

1. Run the python program in a shell or any IDE.
2. The program will ask L and N inputs, these inputs are in the scheme of python inputs, so you need to type it into the shell.
3. The program will ask you plaintexts for N times, with N specified before.
4. The program will then ask you to enter the ciphertext for N times.
5. The result will be returned.

An example scheme is given below:

```
Input a length L:
60
Input a number of messages N:
3
Plaintext 1:
576973687468617449686164626565 6e626f726e6c6f6e676265666f7265
Plaintext 2:
4d7962726f7468657273676f746d657570616761696e737474686577616c
Plaintext 3:
4f6e656d6f7265646179616e644977696c6c62655468656b696e67466f72
Ciphertext 1:
d7e1b2e3e7432e2eb0fb14e84c4a77e1f6331f8eceed0b4ce72e0760ebde
Ciphertext 2:
d5f6b5fce745232fa3f112e95c6e65fdea3e1a8af3eb1d53fa280551e5c0
Ciphertext 3:
cdf1a3f9fc5f273f8be012e35a4277fae43d0a81cbec165ff1230478f8d7
Pairs:
[('Plaintext1', 'Ciphertext3'), ('Plaintext2', 'Ciphertext1'), ('Plaintext3', 'Ciphertext2')]
key:
9a98d0918837464bc2887387382712948652 78efa7837838934662178ab2
```

For faster evaluation, you can also comment out the first four lines. And give the n and l values by hand. Please follow the commented out rows 5-6 in the code. Then you can also add plaintext, ciphertext values to the plaintext_lst and ciphertext_lst by separating them with commas.