

## Homework 1

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[Vigenère Cipher Encoder/Decoder]

**KEY = NCCU109971014**

**明文 = 9M88ISMYFAVORITESINGEROFONE**

### ● 加密

```
C:\cygwin64\home\Franklin\NCCU_IM-Security-2022\HW1\HW1.exe
[Vigenère Cipher Encoder/Decoder]

SELECT function:
1 -> Encryption
2 -> Decryption
0 -> QUIT program
1
[Encryption]
Please Input the KEY(0~9 A~Z):NCCU109971014
Please Input the PLAIN TEXT(0~9 A~Z):9M88ISMYFAVORITESINGEROFONE
The cipher text is >>>[WYK2JSV7MBVPV55QMJNPYPFPR1]<<<
```

加密後的密文 = **WYK2JSV7MBVPV55QMJNPYPFPR1**

### ● 解密

```
C:\cygwin64\home\Franklin\NCCU_IM-Security-2022\HW1\H...
[Vigenère Cipher Encoder/Decoder]

SELECT function:
1 -> Encryption
2 -> Decryption
0 -> QUIT program
2
[Decryption]
Please Input the KEY(0~9 A~Z):NCCU109971014
Please Input the CYPHER TEXT:WYK2JSV7MBVPV55QMJNPYPFPR1
The plain text is >>>[9M88ISMYFAVORITESINGEROFONE]<<<
```