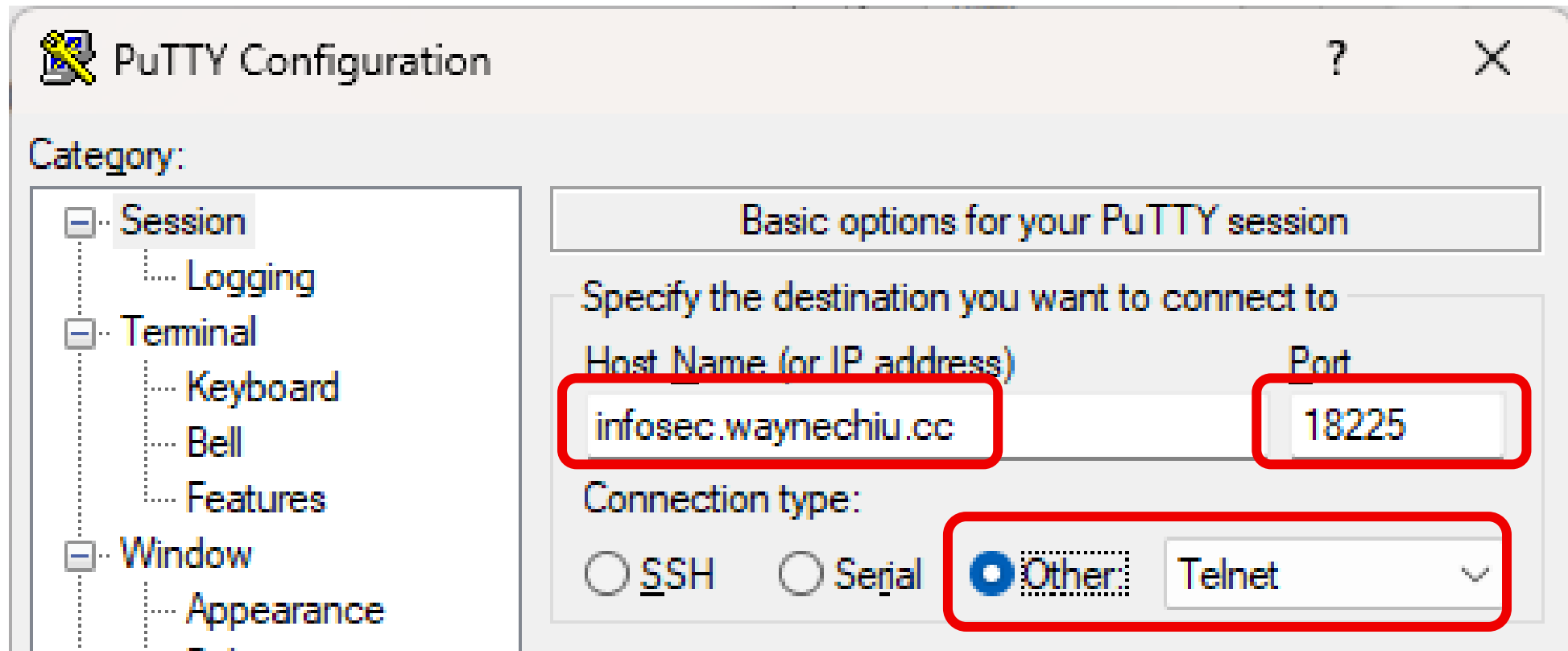


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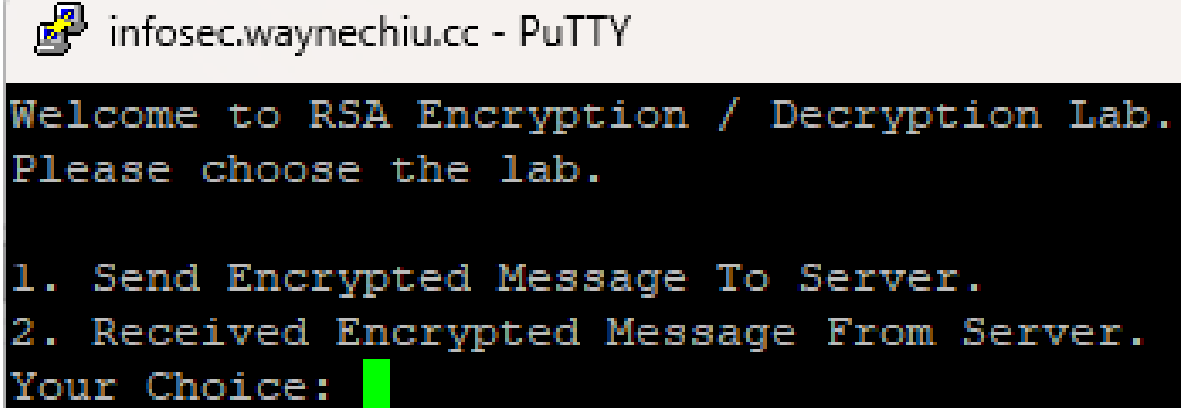
Network Security Lab 06 Instruction

1. Have your telnet client ready



2. Connect to the server.

It might take a while sometimes.



```
infosec.waynechiu.cc - PuTTY
Welcome to RSA Encryption / Decryption Lab.
Please choose the lab.

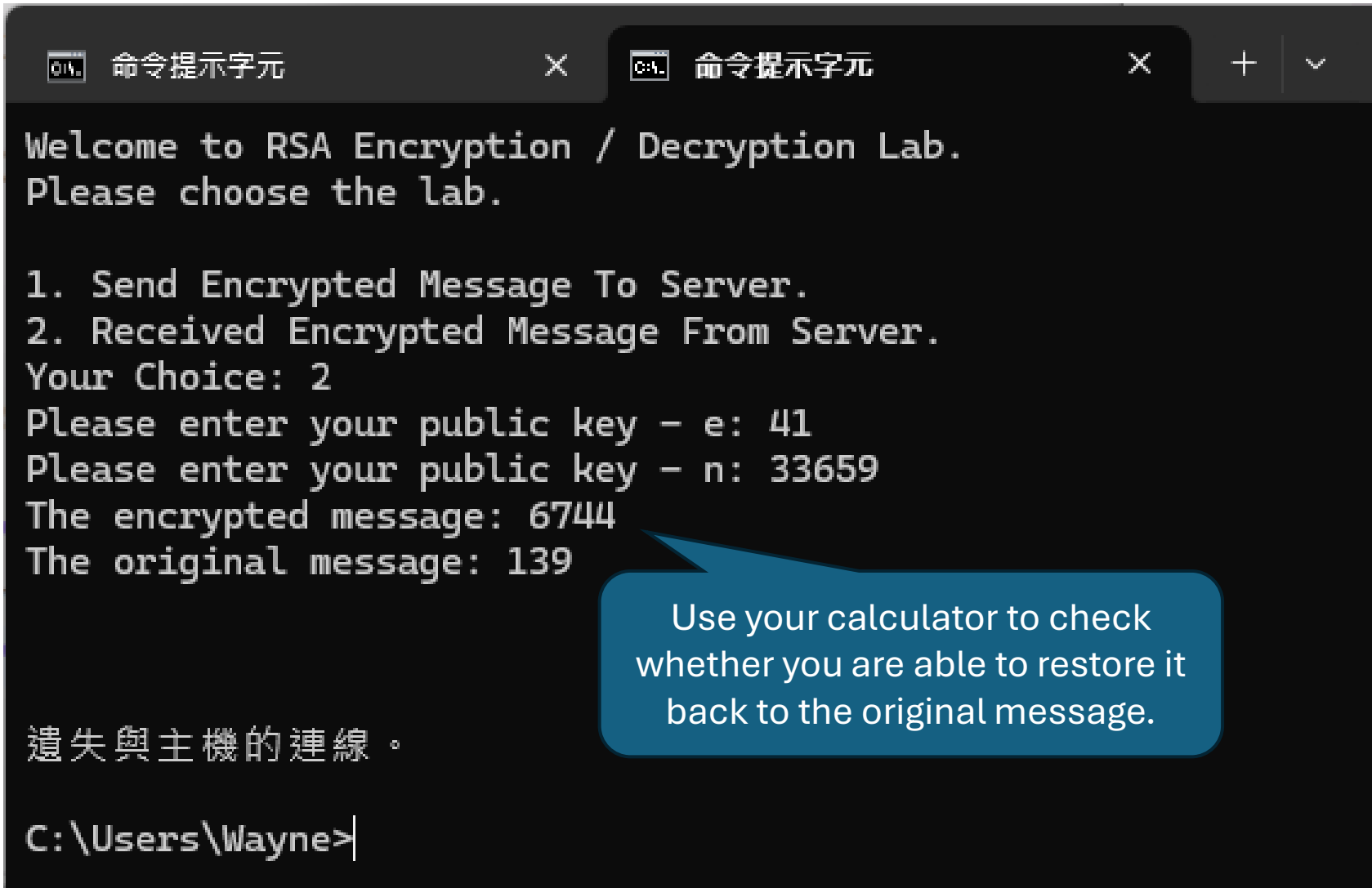
1. Send Encrypted Message To Server.
2. Received Encrypted Message From Server.
Your Choice: █
```

3. Determine which direction

- 1. Send Encrypted Message to Server
 - Use Server's Public Key to Encrypt your message
- 2. Received Encrypted Message From Server
 - Provide your own public key to server, so that the server can send data to you.

4-1. Example

4-2. Example



```
命令提示字元
Welcome to RSA Encryption / Decryption Lab.
Please choose the lab.

1. Send Encrypted Message To Server.
2. Received Encrypted Message From Server.
Your Choice: 2
Please enter your public key - e: 41
Please enter your public key - n: 33659
The encrypted message: 6744
The original message: 139

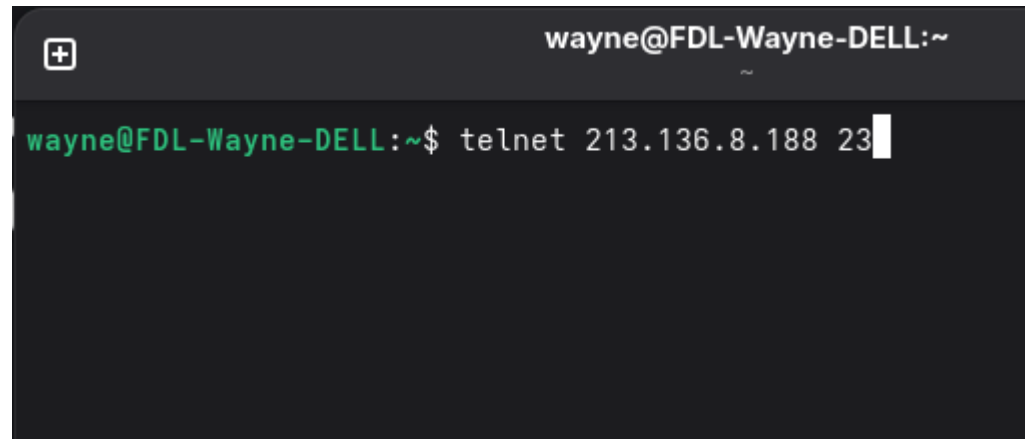
遺失與主機的連線。

C:\Users\Wayne>
```

Use your calculator to check whether you are able to restore it back to the original message.

5. –Nix (Linux and Unix-like)

- Usually, the **tool telnet is usually built-in** within the operating system:
 - Open your terminal program
 - Command: telnet <ip> <port>
 - Example:

A screenshot of a terminal window with a dark background. The title bar at the top shows a window icon and the text 'wayne@FDL-Wayne-DELL:~'. The terminal content shows the prompt 'wayne@FDL-Wayne-DELL:~\$' followed by the command 'telnet 213.136.8.188 23'. A white cursor is positioned at the end of the command.

```
wayne@FDL-Wayne-DELL:~$ telnet 213.136.8.188 23
```

5. If your –Nix system does not have telnet.

1

[Packet Safari - Wireshark-In-A-Page](#)

[PuTTY - A SSH/TELNET Client For Windows](#)

If you are running -nix system, install TELNET.

[telnet_client - A Standalone Simple TELNET Client for Linux/Unix](#)

[I need instructions.](#)

Right click and save the file.

2

```
wayne@FDL-Wayne-DELL:~/下载
~/下载
wayne@FDL-Wayne-DELL:~/下载$ gcc -o ./telnet_client ./telnet_client.c
wayne@FDL-Wayne-DELL:~/下载$
```

`gcc -o ./telnet_client ./telnet_client.c`

Compile the source code within the directory

3

```
wayne@FDL-Wayne-DELL:~/下载
~/下载
wayne@FDL-Wayne-DELL:~/下载$ ./telnet_client
Usage: ./telnet_client [IPv4-address] [port]
wayne@FDL-Wayne-DELL:~/下载$ ./telnet_client 213.136.8.188 23
```

`./telnet_client [ipv4] [port]`

Connect the server with compiled program