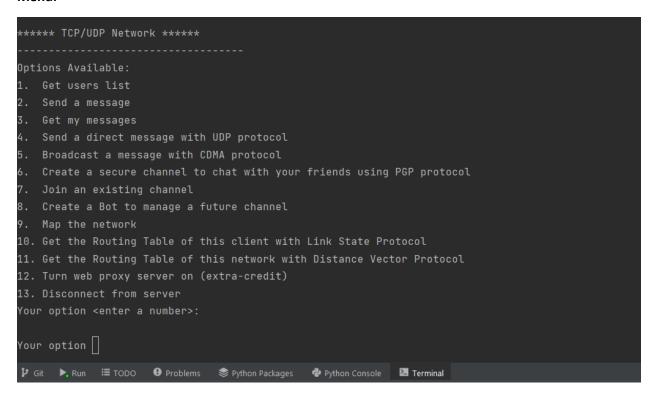
Server running:

```
C:\Users\Ben\computer-networks-fall21-RuiQiHuang1832\venv\Scripts\python.exe C:/Users/Ben/computer-networks-fall21-RuiQiHuang1832/Project/server/server.py
Server is running without issues
Listening at 127.0.0.1/12000
```

Client running:

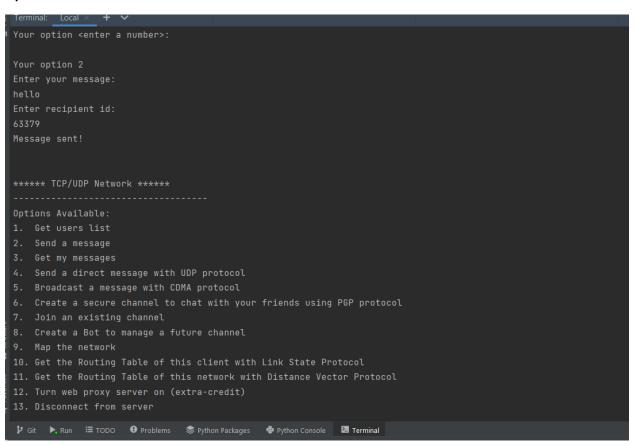
```
PS C:\Users\Ben\computer-networks-fall21-RuiQiHuang1832> cd .\Project\
PS C:\Users\Ben\computer-networks-fall21-RuiQiHuang1832\Project> cd .\client\
PS C:\Users\Ben\computer-networks-fall21-RuiQiHuang1832\Project\client> python3 .\client.py
Enter the server IP address: 127.0.01
Enter the server port: 12000
Enter a username: Ben
Successfully connected to server 127.0.0.1/12000
Your client info is:
Client Name: Ben
Client ID: 63379
```

Menu:



Option 1:

Option 2:



Option 3:

```
Your option Your option 3
Number of unread messages: 1
18/10/2021 14:39:17: hello (broadcast message from Ben)

******* TCP/UDP Network ******

Options Available:
1. Get users list
2. Send a message
3. Get my messages
4. Send a direct message with UDP protocol
5. Broadcast a message with CDMA protocol
6. Create a secure channel to chat with your friends using PGP protocol
7. Join an existing channel
8. Create a Bot to manage a future channel
9. Map the network
10. Get the Routing Table of this client with Link State Protocol
11. Get the Routing Table of this network with Distance Vector Protocol
12. Turn web proxy server on (extra-credit)
13. Disconnect from server
Your option

P Get Problems Python Packages Python Console

Terminal
```

Option 4:

```
Your option 4
Enter the address to bind your UDP client (e.g 127.0.0.1:6000):
127.0.0.1:6000
Enter the recipient address:
127.0.0.1:601
Enter the message:
this is a DM

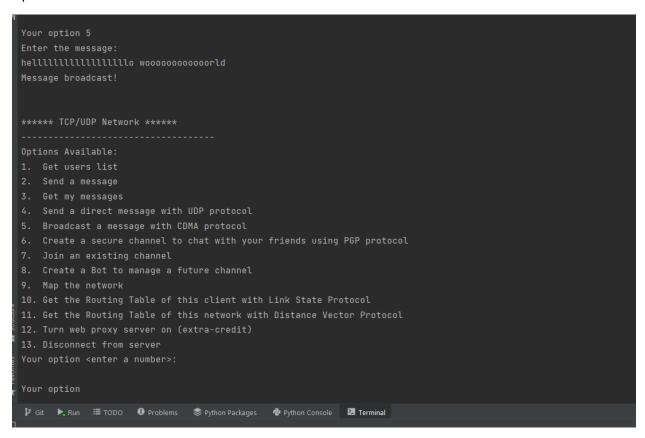
UDP client running and accepting other clients at udp address 127.0.0.1:6000
Message sent to udp address:127.0.0.1:6001

*******************

Options Available:
1. Get users list
2. Send a message
3. Get my messages
4. Send a direct message with UDP protocol
5. Broadcast a message with UDP protocol
6. Create a secure channel to chat with your friends using PGP protocol
7. Join an existing channel

P GR ▶, Run ≡ TOOO ● Problems ● Python Packages ● Python Console
```

Option 5:



Exit: