

# Project: Write a UDP Chat App!

Welcome to your UDP project in this course!

## We'll cover the following



- Instructions

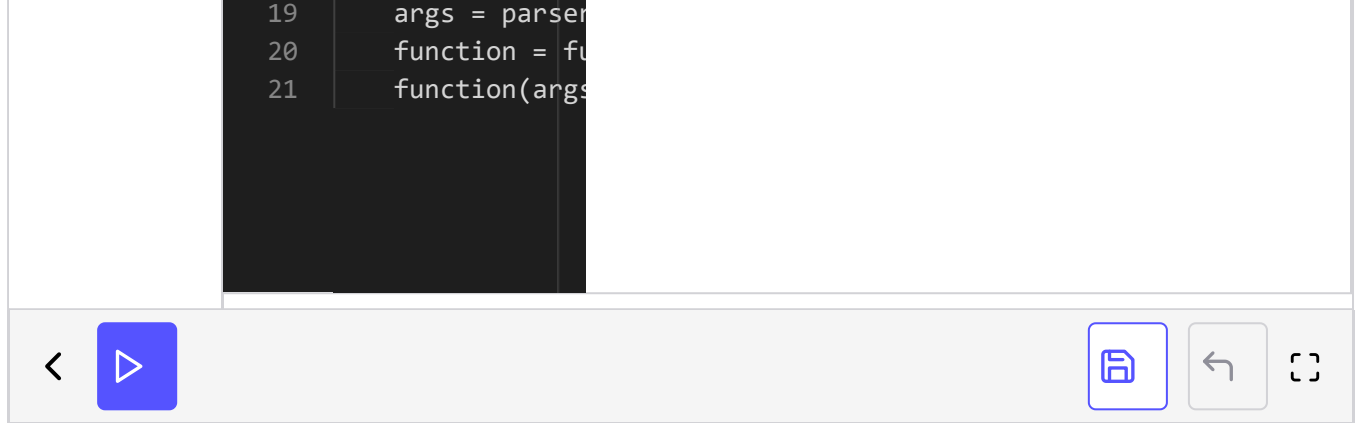
## Instructions #

Writing a chat app is not so different from the capitalization code we saw in the last lesson. The idea is very simple. The client sends a message to the server and the server should respond with one. Both messages should be taken as input from the user. We've given you some basic starter code for it.

Here are some other factors you would want to consider to write your app:

1. Your client and server both need to stay alive and not exit after each message sent.
2. Both the client and the server need to print every message received from the other party.
3. The server should not be chatting with more than one client.

```
1 import argparse,
2
3 MAX_SIZE_BYTES =
4
5 def server(port):
6     pass
7     # Your code g
8
9 def client(port):
10    pass
11    # Your code g
12
13 if __name__ == '__
14     funcs = {'cli
15     parser = argp
16     parser.add_ar
17     parser.add_ar
18
```



Note that to run the code, you would need to follow these steps:

1. Type your code and when you are ready to run the program, click on **Run**. The server code should start up automatically.
2. Open another terminal by clicking on +
3. Type the command `python3 /usercode/udp.py client` Note that it can be `server` in place of `client`.
4. Enter the text in the client window and see the effect.
5. If the program is not running to your satisfaction:
  1. Kill the running server program by typing the break sequence `ctrl+c` or `command+c` in both of the terminal windows.
  2. Change the code.
  3. Click on **Run**.
  4. Type command `python3 /usercode/udp.py server` and `python3 /usercode/udp.py client` in the first and second terminal window, respectively. Go back to step 4.

Every time you make a change to the code you must click **run** for the changes to take effect

In the next lesson, we'll look at the solution to this project.