

```
app.py  main.py  client.py  server.py
part 4 > client.py > ...
1  import socket
2
3  HOST = '127.0.0.1'
4  PORT = 5555
5
6  sock = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
7
8  sock.connect((HOST, PORT))
9
10 while True:
11     message = input("message: ")
12     sock.send(message.encode('utf-8'))
13     reply = sock.recv(1024).decode('utf-8')
14     print(f"received: {reply}")
15
```

```
app.py  main.py  client.py  server.py
part 4 > server.py > ...
1  import socket
2
3  HOST = '127.0.0.1'
4  PORT = 5555
5
6  sock = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
7  sock.bind((HOST, PORT))
8  sock.listen()
9  client, address = sock.accept()
10
11 while True:
12     message = client.recv(1024).decode('utf-8')
13     print(f"received from {address}: {message}")
14     reply = input('reply: ')
15     client.send(reply.encode('utf-8'))
16
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

LookupError: unknown encoding: utf-8

```
ASUS@DESKTOP-6VKKARO MINGW64 /d/D '/labti/pjar/part 4
$ python server.py
received from ('127.0.0.1', 61479): hai server
reply: hai juga
received from ('127.0.0.1', 61479): hai
reply: hai
[]
```

ConnectionAbortedError: [WinError 10053] An established connection was aborted by the software in your host machine

```
ASUS@DESKTOP-6VKKARO MINGW64 /d/D '/labti/pjar/part 4
$ python client.py
message: hai server
received: hai juga
message: hai
received: hai
message: hai[]
```