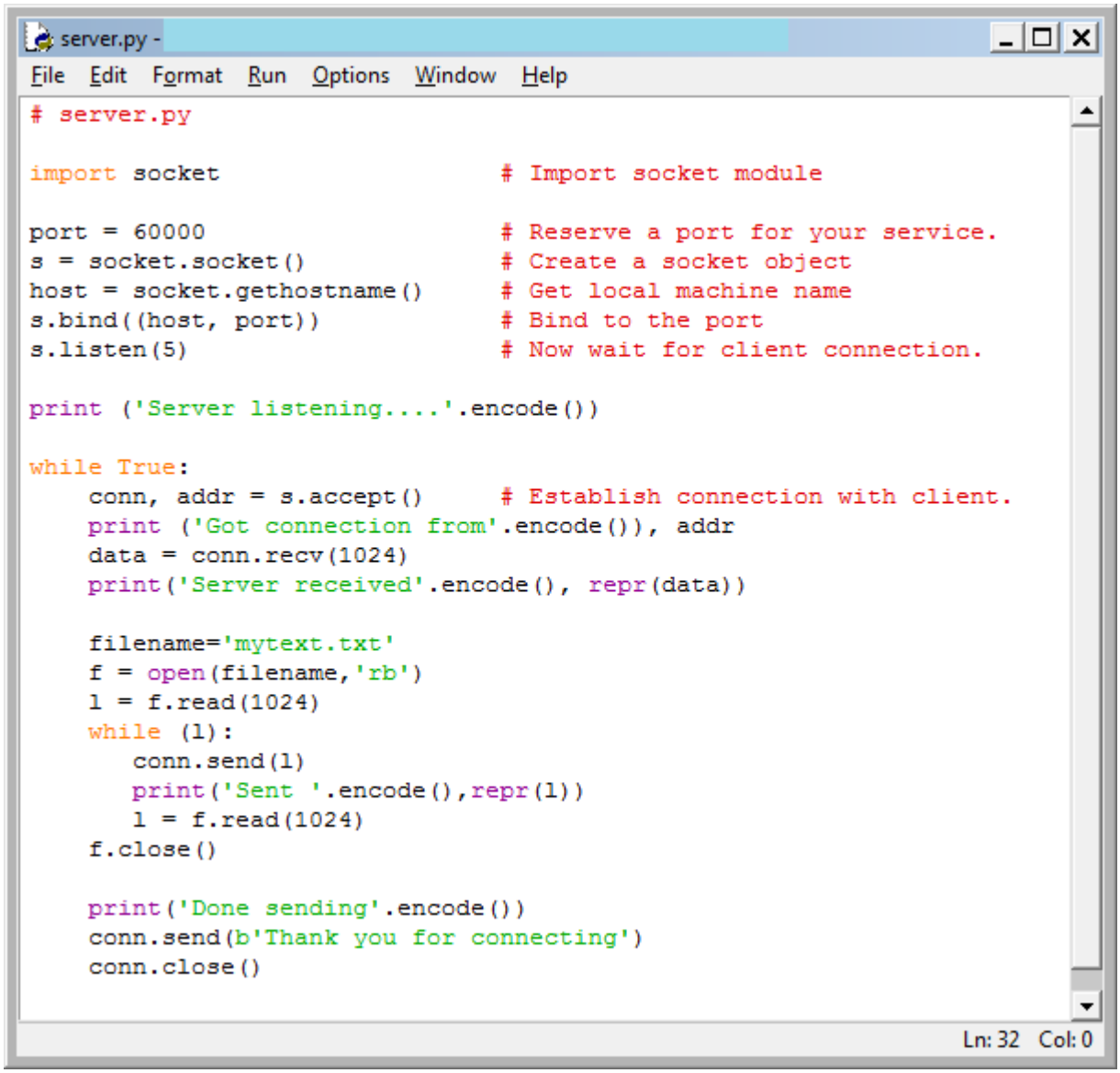
Local file transfer

Here is the code to send a file from a local server to a local client.

1. Server



2. Client

client.py -

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```
# client.py

import socket                   # Import socket module

s = socket.socket()             # Create a socket object
host = socket.gethostname()     # Get local machine name
port = 60000                    # Reserve a port for your service.

s.connect((host, port))
s.send("Hello server!".encode())

with open('received_file.txt', 'wb') as f:
    print ('file opened'.encode())
    while True:
        print('receiving data...'.encode())
        data = s.recv(1024)
        print('data=%s'.encode(), (data))
        if not data:
            break
        # write data to a file
        f.write(data)

f.close()
print('Successfully get the file'.encode())
s.close()
print('connection closed'.encode())
```

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3. Results:

3.1. Output on a local server:

Python 3.6.1 Shell

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```
======== RESTART:                                    server.py ========
b'Server listening....'
b'Got connection from'
b'Server received' b'Hello server!'
b'Sent ' b'123456789qwertyuiop'
b'Done sending'
```

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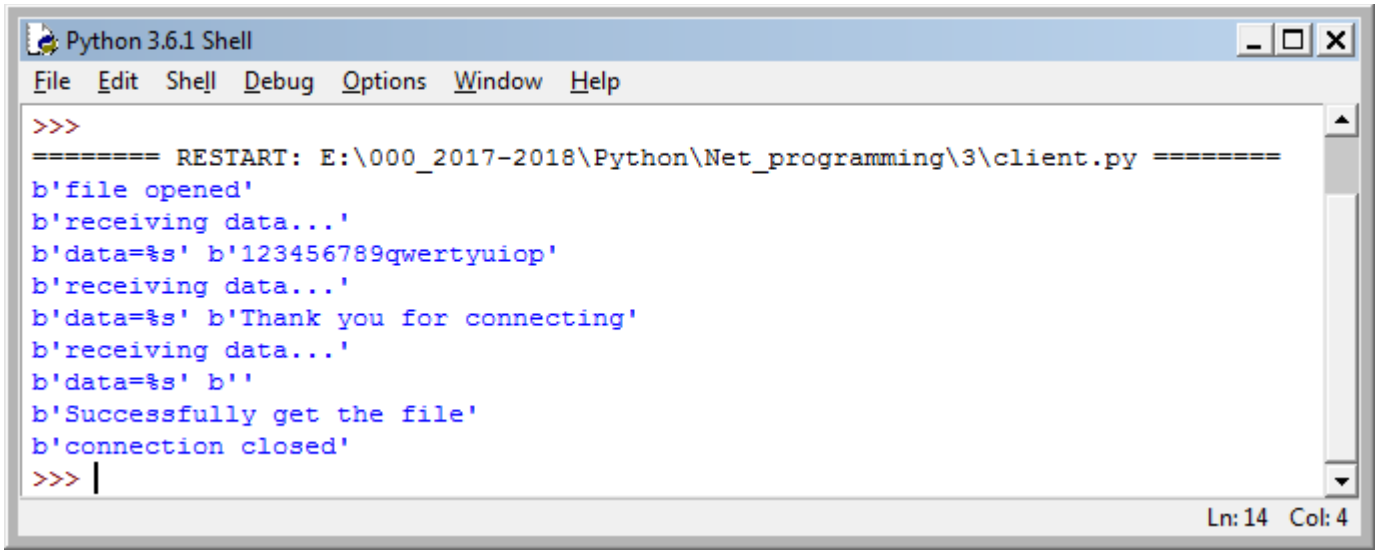
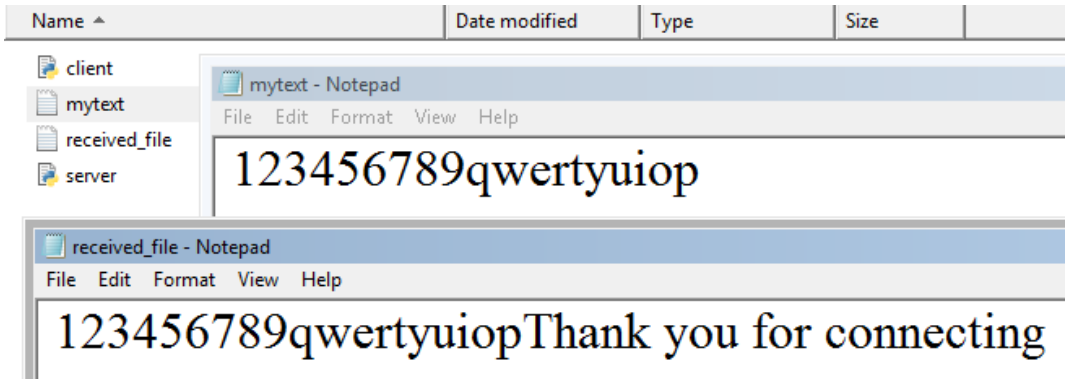
3.2. Output on a local client:



3.3. File Transfer



Obs: Studentii sunt invitati sa peronalizeze solutia prezentata mai sus si sa includa in raportul laboratorului o prezentare similara sectiunii “Results” de mai sus