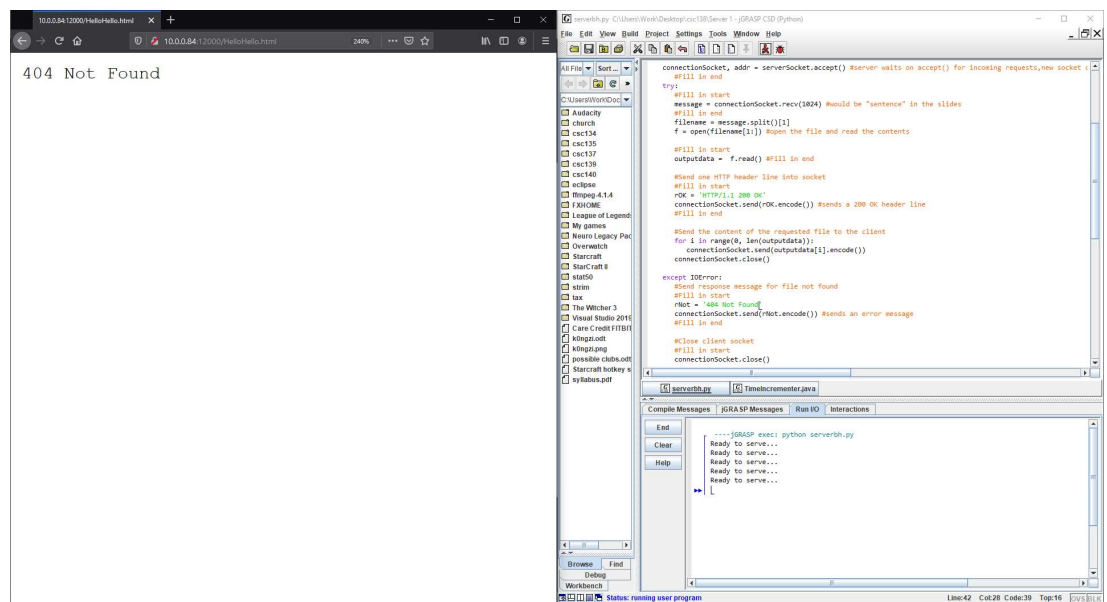
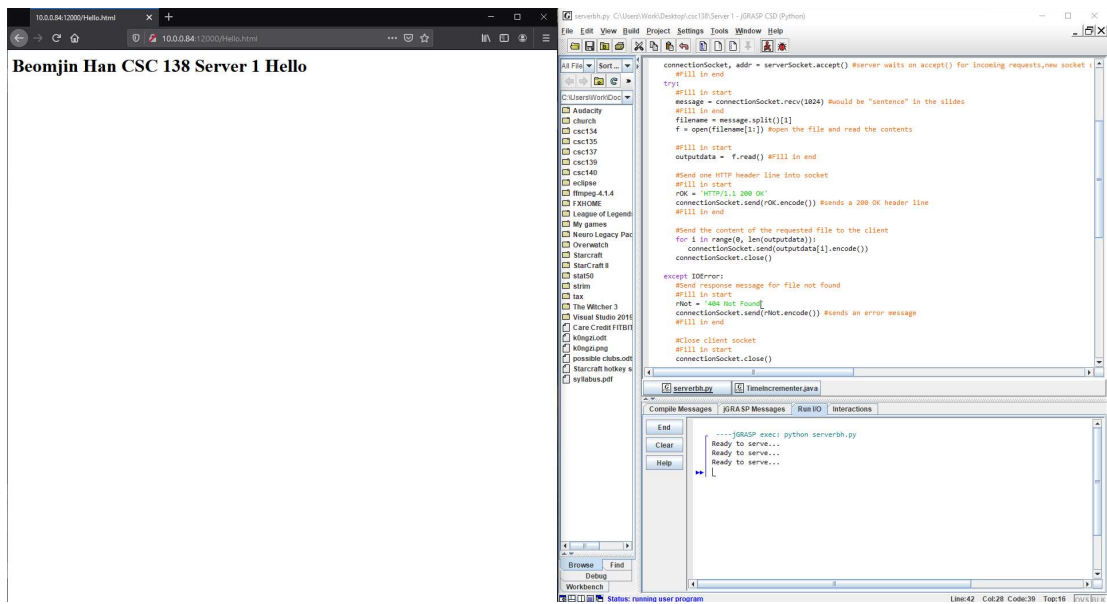


# Beomjin Han

## CSC 138-03

### Webserver Socket 1

Below are the screenshots for successfully reading the html file and wrong filename in the address.



```

#import socket module
from socket import *
serverSocket = socket(AF_INET, SOCK_STREAM)

#Fill in start
serverPort = 12000 #setting port number to 12000
serverSocket.bind(('',serverPort)) #binding the server to the port
serverSocket.listen(1) # server begins listening for incoming TCP
requests

#Fill in end

while True:
    #Establish the connection
    print ('Ready to serve...')
    #Fill in start
    connectionSocket, addr = serverSocket.accept() #server waits on
accept() for incoming requests,new socket created on return
    #Fill in end
    try:
        #Fill in start
        message = connectionSocket.recv(1024) #would be "sentence" in
the slides
        #Fill in end
        filename = message.split()[1]
        f = open(filename[1:]) #open the file and read the contents

        #Fill in start
        outputdata = f.read() #Fill in end

        #Send one HTTP header line into socket
        #Fill in start
        rOK = 'HTTP/1.1 200 OK'
        connectionSocket.send(rOK.encode()) #sends a 200 OK header line
        #Fill in end

        #Send the content of the requested file to the client
        for i in range(0, len(outputdata)):
            connectionSocket.send(outputdata[i].encode())
        connectionSocket.close()

    except IOError:
        #Send response message for file not found
        #Fill in start
        rNot = '404 Not Found'
        connectionSocket.send(rNot.encode()) #sends an error message

```

```
#Fill in end

#Close client socket
#Fill in start
connectionSocket.close()
#Fill in end
serverSocket.close()
```