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Socket Programming Assignment 2

Python Code:

```
File  Edit  Format  View  Help
from socket import *
serverPort = 64356
serverSocket = socket(AF_INET, SOCK_STREAM)
serverSocket.bind(('',serverPort))
serverSocket.listen(1)

while True:
        print('Ready to serve...')
        connectionSocket, addr = serverSocket.accept()
        try:
                message = connectionSocket.recv(1024)
                filename = message.split()[1]
                f = open(filename[1:])
                outputdata = f.read()
                httpHeader= '\nHTTP/1.1 200 OK\r\n'
                connectionSocket.send(httpHeader.encode())
                for i in range(0, len(outputdata)):
                        connectionSocket.send(outputdata[i].encode())

                connectionSocket.send("\r\n".encode())
                connectionSocket.close()
        except IOError:
            fileNotFoundHeader = '\nHTTP/1.1 404 Not Found\n'
            connectionSocket.send(fileNotFoundHeader.encode())
            connectionSocket.close()
serverSocket.close()
```

Server Active:

```
login as: alalusiy
alalusiy@athena.ecs.csus.edu's password:
Last login: Sun Nov  7 13:24:06 2021 from 216.106.157.65

Note: $DISPLAY is set to 216:0.0 for X windows.

   *** Notice: This is an ECS IT resource, intended to be used for purposes
       related to the educational activities of faculty, staff and students
       of California State University Sacramento. Any other use is a
       violation of University and College policy.


[alalusiy@athena:21]> cd csc138
[alalusiy@athena:22]> cd socketprog2
[alalusiy@athena:23]> python webServer.py
Ready to serve...
```
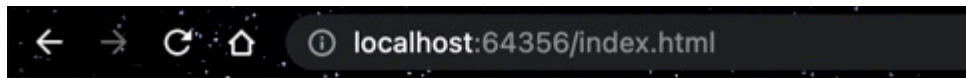
Received:

Home

Hello, Welcome to CSC138!

This localhost page can't be found

No webpage was found for the web address: **http://localhost:64356/index.html**

HTTP ERROR 404

Reload