Christopher Desir

CS-GY 6843 COMPUTER NETWORKING, Section CF

9/26/2019

```python
# impport socket module
from socket import *
import sys # In order to terminate the program
HOST = '127.0.0.1'
PORT = 6789
serverSocket = socket(AF_INET, SOCK_STREAM)
# Prepare a sever socket
serverSocket.bind((HOST, PORT))
serverSocket.listen(1)
while True:
    print ("listening")
    connectionSocket, addr = serverSocket.accept()
    try:
        message = connectionSocket.recv(1024)
        print(message)
        filename = message.split()[1]
        print  (message.split()[1])
        f = open(filename[1:])
        #Send one HTTP header line into socket
        outputdata = f.read()
        connectionSocket.send("HTTP/1.1 200 OK\r\n\r\n")
        print(outputdata)

        for i in range(0, len(outputdata)):
```

```python
            connectionSocket.send(outputdata[i].encode())

        connectionSocket.send("\r\n".encode())

        connectionSocket.close()

    except IOError:

        connectionSocket.send("HTTP/1.1 404 Not Found\r\n\r\n")

        connectionSocket.send("<html><head></head><body><h1>404 Not
Found</h1></body></html>\r\n")

                # Close the client connection socket

        connectionSocket.close()

serverSocket.close()

sys.exit()
```