#Socket Programming - Bharath Mukka

#LAB 2B, Computer Networking

#import socket module

**from** socket **import** \*

#Prepare a sever socket

serverSocket = socket(AF\_INET, SOCK\_STREAM)

serverPort = 12005

serverSocket.bind(('',serverPort))

serverSocket.listen(5)

**while** **True**:

#Establish the connection

print('Ready to serve...')

connectionSocket, addr = serverSocket.accept()

print ("addr:\n", addr)

**try**:

message = connectionSocket.recv(1024)

print("message: \n", message)

filename = message.split()[1]

f = open(filename[1:])

outputdata = f.read()

print("outputdata:", outputdata)

#now = datetime.datetime.now()

#Sending one HTTP header line into socket

first\_header = "HTTP/1.1 200 OK \n"

print("first\_header:", first\_header)

connectionSocket.send(bytes(first\_header))

#Send content of response of requested file to the client

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

connectionSocket.send(bytes(outputdata[i]))

connectionSocket.close()

**except** IOError:

#Send response message for file not found

connectionSocket.send(bytes("HTTP/1.1 404 Not Found\r\nContent-Type:text/html\r\n\r\n<!doctype html><html><body><h1>404 Not Found<h1></body></html>"))

#Close client socket

connectionSocket.close()

serverSocket.close()

Screenshots:

A screenshot of a cell phone

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A picture containing screenshot

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A screenshot of a cell phone

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