*# import socket module*

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

**import** sys *# In order to terminate the program*

serverSocket = socket(AF\_INET, SOCK\_STREAM) *# Prepare a server socket*

*# Fill in start*

serverHost = **'192.168.0.103'**

serverPort = 6789

serverSocket.bind((serverHost, serverPort))

serverSocket.listen(5)

*# Fill in end*

**while** True:

*# Establish the connection*

**print**(**'Ready to serve...'**)

connectionSocket, addr = serverSocket.accept() *# Fill in start #Fill in end*

**try**:

message = connectionSocket.recv(4096) *# Fill in start #Fill in end*

filename = message.split()[1]

f = open(filename[1:])

outputdata = f.readlines() *# Fill in start #Fill in end*

*# Send one HTTP header line into socket*

*# Fill in start*

connectionSocket.send(**"HTTP/1.1 200 OK\r\nContent-Type: text/html\r\n"**)

connectionSocket.send(**"\r\n"**) *# Empty 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.send(**"\r\n"**.encode())

connectionSocket.close()

**except** IOError:

*# Send response message for file not found*

*# Fill in start*

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

connectionSocket.send(**"Content-Type: text/html\r\n"**)

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

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

*# Fill in end*

*# Close client socket*

*# Fill in start*

connectionSocket.close()

*# Fill in end*

serverSocket.close()

sys.exit() *# Terminate the program after sending the corresponding data*

