

Connection without Server

```
hsm14@DESKTOP-LTE05QP:/mnt/c/users/mudki/desktop/college/Spring 2025/Systems And Networks 2/COP-Http-Project-1/COP-Http-Project-1$ ./httpClient 0.0.0.0:60060 GET /index.html
Client ready.

Connecting to 0.0.0.0 on port 60060
Problem connecting to the socket! Sorry!!
hsm14@DESKTOP-LTE05QP:/mnt/c/users/mudki/desktop/college/Spring 2025/Systems And Networks 2/COP-Http-Project-1/COP-Http-Project-1$
```

Connection with Server

```
hsm14@DESKTOP-LTE05QP:/mnt/c/users/mudki/desktop/college/Spring 2025/Systems And Networks 2/COP-Http-Project-1/COP-Http-Project-1$ .
./httpClient 0.0.0.0:60060 GET /index.html
Client ready.

Connecting to 0.0.0.0 on port 60060
Sending message: GET /index.html to the server

Server says:
HTTP/1.1 200 OK
Content-Length: 697
Content-Type: text/html

<HTML>
<HEAD><TITLE>TEST TEXT</TITLE></HEAD>
<BODY BGCOLOR="#99cc99" TEXT="#000000" LINK="#2020ff" VLINK="#4040cc">

<P>
TEST....
<P>

<H3> The server has successfully started and is sending you this page. </H3>

<P>
IMAGE LINK: If the server can successfully find and send you the image, it will show up in the subsequent page. <A HREF="testPresence.html">Click on this link for an image. </A>.

<P>
NONEXISTANT LINK <A HREF="fake.html">click here to test the non-existent link </A>.

<form id="clientInput" method="post">
  <label for="input">Input For Server:</label>
  <input type="text" id="input" name="input"><br>
  <button type="submit">Send Input</button>
</form>

</BODY>
</HTML>

enter request (or 'exit' to quit)
Reminder, running a GET requires GET /<filename>:

hsm14@DESKTOP-LTE05QP:/mnt/c/users/mudki$ cd desktop
hsm14@DESKTOP-LTE05QP:/mnt/c/users/mudki/desktop$ cd college
hsm14@DESKTOP-LTE05QP:/mnt/c/users/mudki/desktop/college$ cd /Spring 2025\
> ^C
hsm14@DESKTOP-LTE05QP:/mnt/c/users/mudki/desktop/college$ cd /Spring 2025
-bash: cd: too many arguments
hsm14@DESKTOP-LTE05QP:/mnt/c/users/mudki/desktop/college$ ls
11th Grade Physics  Fall 2H  Spring 2025  Summer 206
College Algebra  Home Servers  Spring 2H  UW Logo.PNG
Fall 2023  Spring 2024  Summer 2025
hsm14@DESKTOP-LTE05QP:/mnt/c/users/mudki/desktop/college$ cd Spring\ 2025
hsm14@DESKTOP-LTE05QP:/mnt/c/users/mudki/desktop/college/Spring 2025$ cd Systems\ And\ Netwo
rks\ 2/
hsm14@DESKTOP-LTE05QP:/mnt/c/users/mudki/desktop/college/Spring 2025/Systems And Networks 2$
cd COP-Http-Project-1/
hsm14@DESKTOP-LTE05QP:/mnt/c/users/mudki/desktop/college/Spring 2025/Systems And Networks 2/
COP-Http-Project-1$ ./TCPServer
Server socket created

server created

server listening for a connection

Client connected.
Recieved A Request!
GET /index.html
Served file: index.html
Client disconnected.
█
```