

HTTP Basics

Simple request from Curl:

```
GET /index.html HTTP/1.1
Host: localhost:4321
User-Agent: curl/7.79.1
Accept: */*
```

Complex request from browser:

```
GET /root.html HTTP/1.1
Host: localhost:4321
Connection: keep-alive
sec-ch-ua: "Chromium";v="110", "Not A(Brand";v="24",
"Google Chrome";v="110"
sec-ch-ua-mobile: ?0
sec-ch-ua-platform: "macOS"
DNT: 1
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X
10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/
110.0.0.0 Safari/537.36
Accept: text/html,application/xhtml+xml,application/
xml;q=0.9,image/avif,image/webp,image/apng,*/
*;q=0.8,application/signed-exchange;v=b3;q=0.7
Sec-Fetch-Site: none
Sec-Fetch-Mode: navigate
Sec-Fetch-User: ?1
Sec-Fetch-Dest: document
Accept-Encoding: gzip, deflate, br
Accept-Language: en-US,en;q=0.9
```

Tiny HTTP Response:

```
HTTP/1.1 200 OK
Content-Type: text/plain

Hello World!
```

Tools:

`curl -v http://example.com/url`
prints everything it sends and receives

`nc -l localhost 4321`
will listen to port 4321 and print incoming data

Slides URL:
<https://codefol.io/speaking/hwg/http101.pdf>