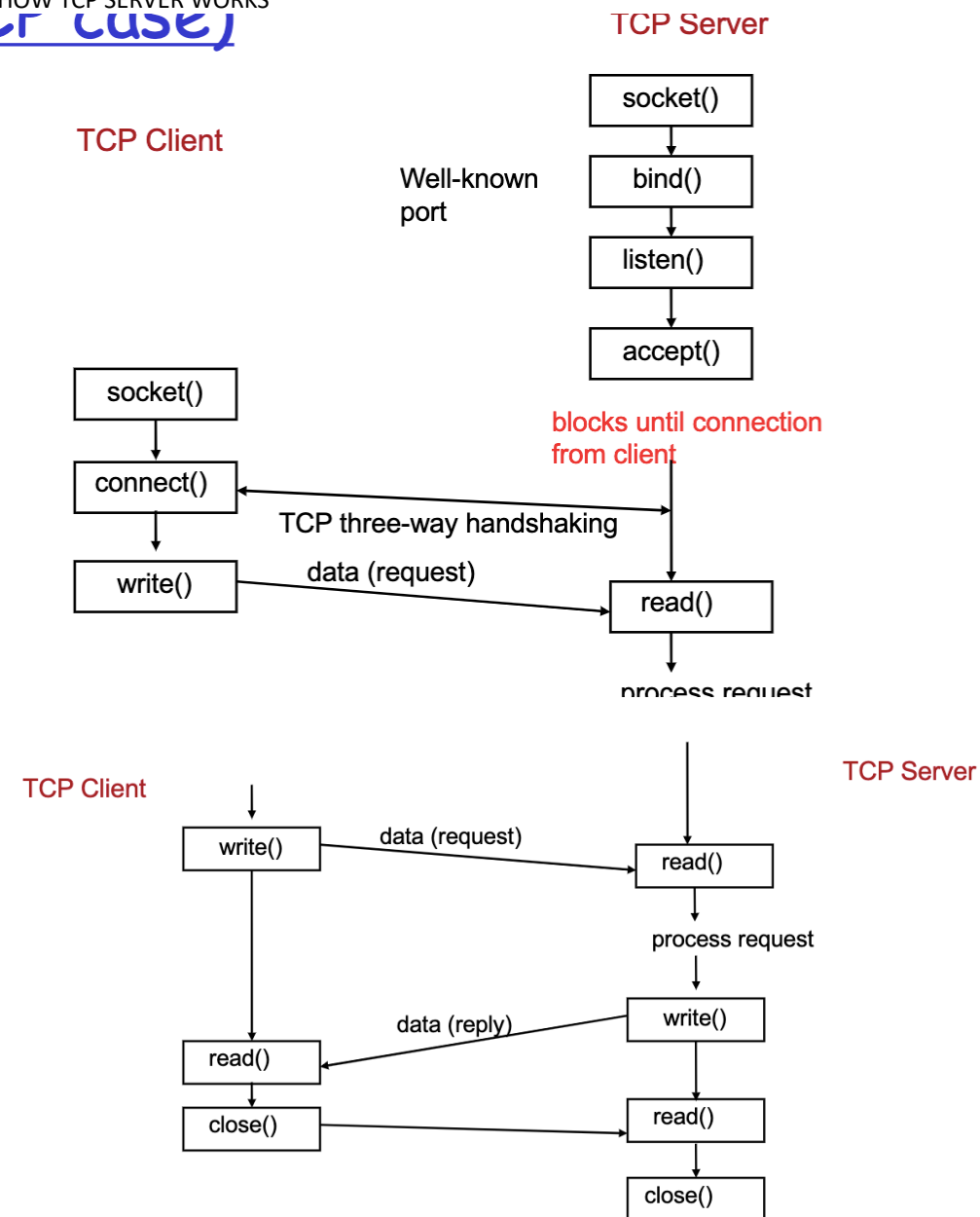


HOW TCP SERVER WORKS

case)



Difficulties that I faced and how I solved them

It was very hard to parsing the HTTP request. I've tried many ways, but almost nothing has been solved. By google search, I found a solution to the string parsing problem. I felt that I should study the C language harder.

You can check the http request in the console window.

```
➔ server git:(master) x ./server
GET /gif.gif HTTP/1.1
Host: 127.0.0.1:3490
Connection: keep-alive
Cache-Control: max-age=0
sec-ch-ua: " Not A;Brand";v="99", "Chromium";v="100", "Google Chrome";v="100"
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/100.0.4896.127 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=0.9
Sec-Fetch-Site: none
Sec-Fetch-Mode: navigate
Sec-Fetch-User: ?1
Sec-Fetch-Dest: document
Accept-Encoding: gzip, deflate, br
Accept-Language: ko-KR,ko;q=0.9,hu-HU;q=0.8,hu;q=0.7,en-US;q=0.6,en;q=0.5
Cookie: csrftoken=1FXNbueyor1uVVPvt5Fjd6SEpuGSjza0hQr0rONMsmkwxNNwFY1XUjqUjFnt1P3x
```

The figures below here are output samples.

Ch2-basic-socket-programming x +

Ch2-basic-socket-programming 127.0.0.1:3490

Ch2-basic-socket-programming 1 / 42 90% +

Announcement

- ❑ Project 1 has been posted on the course website
 - ❖ Due: 4/23
- ❑ Individual project!
 - ❖ Students can discuss each other, but must write their own codes
- ❑ Submission
 - ❖ All commented source codes
 - ❖ Makefile
 - ❖ Report (1-3 pages)

Introduction 1-1

DevTools is now available in Korean!

Always match Chrome's language Switch DevTools to Korean

Don't show again

Elements Network >> 2

No throttling Preserve log Disable cache

Filter Invert Hide data URLs

All Fetch/XHR JS CSS Img Media Font Doc WS Wasm Manifest

Has blocked cookies Blocked Requests 3rd-party requests

500 ms 1000 ms 1500 ms 2000

Name	S.	T.	Init...	S.	T.	Waterfall
socket...	2...	d...	Other	0...	7...	
favicon...	2...	t...	Other	4...	4...	

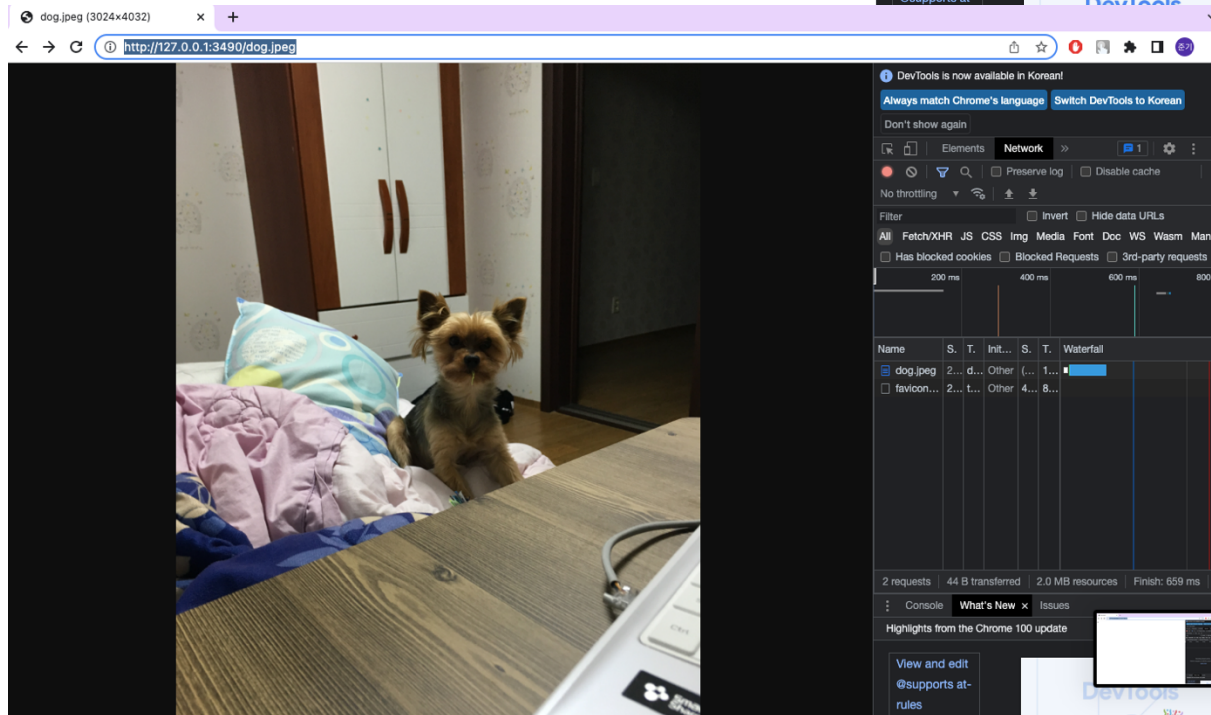
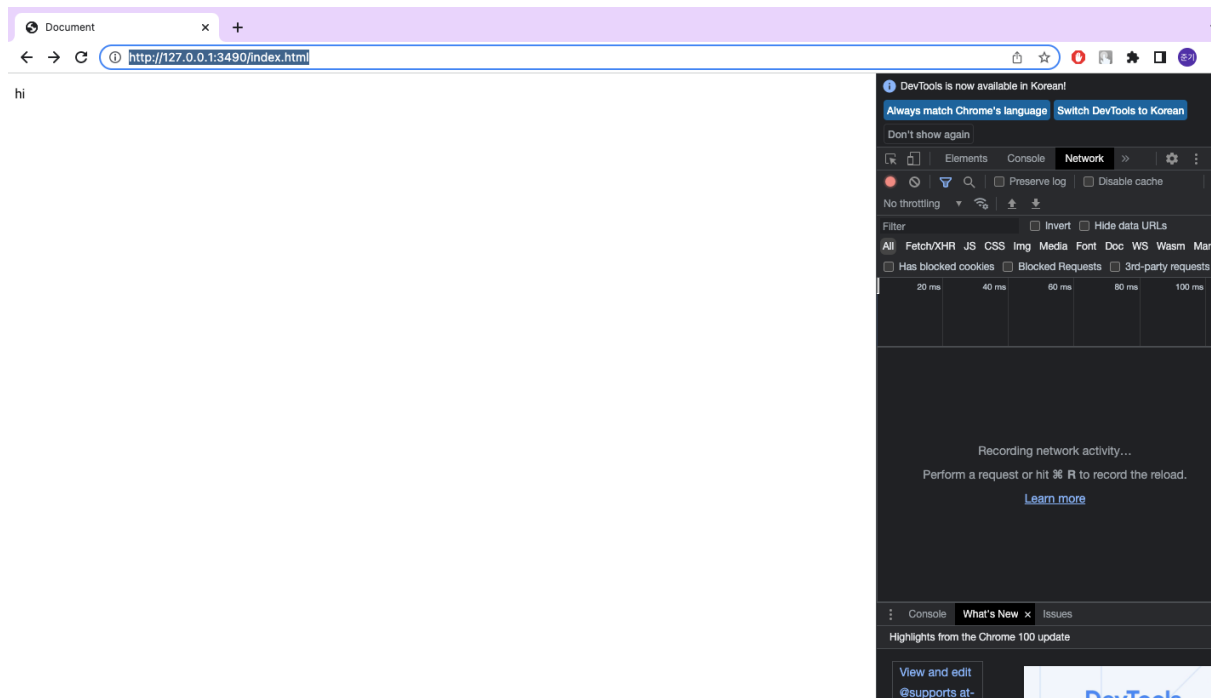
2 requests 44 B transferred 345 B resources Finish: 1.74 s

Console What's New x Issues

Highlights from the Chrome 100 update

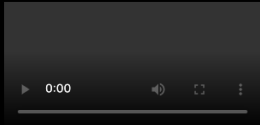
View and edit @supports at-rules The CSS

DevTools



127.0.0.1:3490/music.mp3 x +

← → ↻ ⓘ http://127.0.0.1:3490/music.mp3



DevTools is now available in Korean!
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Don't show again

Elements Network >> 1 1 ⚙

No throttling 🔍 ⚙ ⬇

Filter ☐ Invert ☐ Hide data URLs

☒ All ☐ Fetch/XHR ☐ JS ☐ CSS ☐ Img ☐ Media ☐ Font ☐ Doc ☐ WS ☐ Wasm ☐ Man

☐ Has blocked cookies ☐ Blocked Requests ☐ 3rd-party requests

200 ms 400 ms 600 ms 800 ms 1000 ms

Name	S.	T.	Init...	S.	T.	Waterfall
music...	2...	d...	Other	4...	P...	■
data...	2...	p...	Other	(...	0...	■
data...	2...	s...	Other	(...	0...	■
music...	(...	m...	Other	0...	3...	■
data...	2...	s...	Other	(...	0...	■
data...	2...	s...	Other	(...	0...	■
data...	2...	s...	Other	(...	0...	■
data...	2...	s...	Other	(...	0...	■
data...	2...	s...	Other	(...	0...	■

9 requests | 44 B transferred | 3.0 kB resources | Finish: 834 ms

⋮ Console What's New x Issues


Highlights from the Chrome 100 update

[View and edit](#)
@supports at-

DevTools

gif.gif (476x280) x +

← → ↻ ⓘ http://127.0.0.1:3490/gif.gif



DevTools is now available in Korean!
[Always match Chrome's language](#) [Switch DevTools to Korean](#)
Don't show again

Elements Network >> 1 1 ⚙

No throttling 🔍 ⚙ ⬇

Filter ☐ Invert ☐ Hide data URLs

☒ All ☐ Fetch/XHR ☐ JS ☐ CSS ☐ Img ☐ Media ☐ Font ☐ Doc ☐ WS ☐ Wasm ☐ Man

☐ Has blocked cookies ☐ Blocked Requests ☐ 3rd-party requests

100 ms 200 ms 300 ms 400 ms 500 ms 600 ms

Name	S.	T.	Init...	S.	T.	Waterfall
gif.gif	2...	d...	Other	6...	1...	■
favicon...	2...	t...	Other	4...	4...	■

2 requests | 7.0 kB transferred | 6.9 kB resources | Finish: 560 ms

⋮ Console What's New x Issues

Highlights from the Chrome 100 update

[View and edit](#)
@supports at-
rules
The CSS
@supports at-