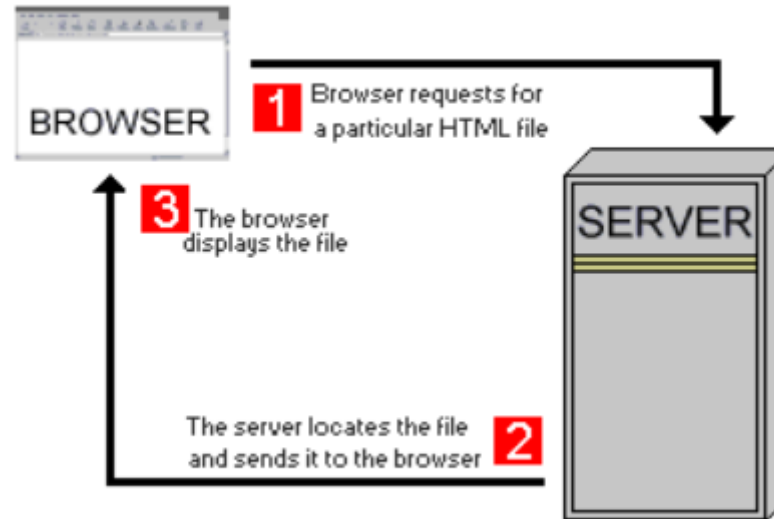


- 웹 : 서버와 클라이언트 기반의 서비스

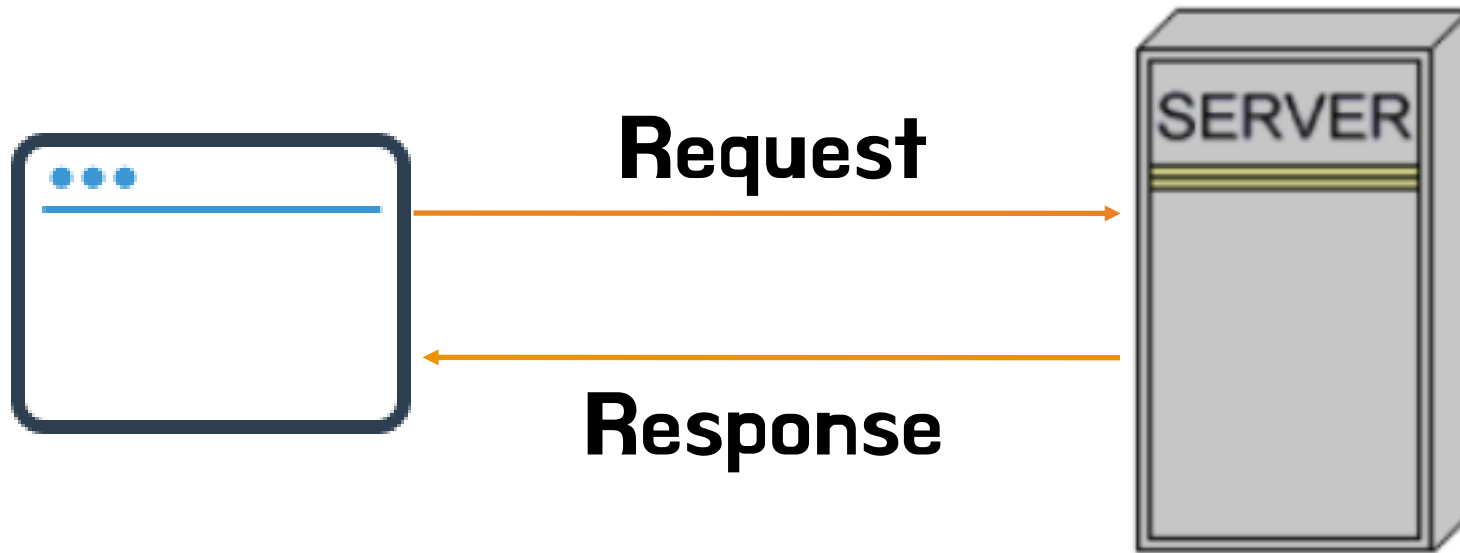


- 브라우저

프로토콜을 사용해서 특정 웹 서버에 요청을 보내고 서버의 응답을 받아 처리해주는 프로그램

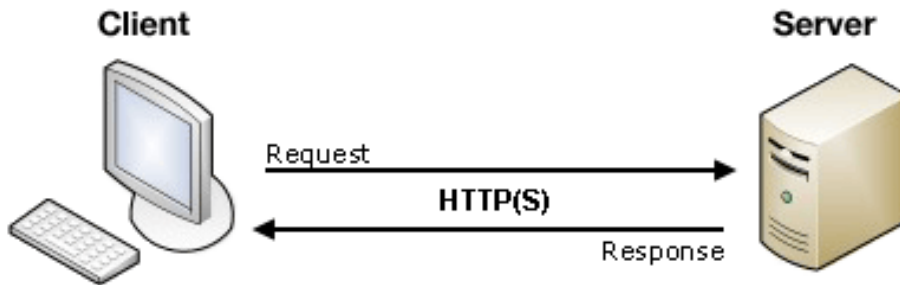


브라우저의 종류에 크롬, 익스플로러, 사파리 등등이 있습니다.



- **HTTP 프로토콜**

**Request(요청) 안에 요청 정보,
Response(응답) 안에 응답 정보를 넣어서 보내겠다는 규칙**



- 프로토콜?

• 웹 브라우저와 웹 서버 간에 주고 받는 내용들

The image shows a Wireshark packet capture of an HTTP GET request. The packet list shows a GET request to /modules.php?name=PDD&func=nick&nick=latropilla. The packet details pane shows the request structure, including the request line, headers, and body. The packet bytes pane shows the raw data in hexadecimal and ASCII.

No.	Time	Source	Destination	Protocol	Length	Info
871	6.52676200	172.16.98.30	208.97.176.141	HTTP	678	GET /modules.php?name=PDD&func=nick&nick=latropilla HTTP/1.1
928	6.74001500	172.16.97.128	239.255.255.250	SSDP	175	M-SEARCH * HTTP/1.1
929	6.77286700	172.16.97.123	239.255.255.250	SSDP	175	M-SEARCH * HTTP/1.1
942	6.99663300	208.97.176.141	172.16.98.30	HTTP	360	HTTP/1.1 200 OK (text/html)
955	7.07671200	172.16.97.250	239.255.255.250	SSDP	169	M-SEARCH * HTTP/1.1
956	7.07755000	172.16.97.250	239.255.255.250	SSDP	171	M-SEARCH * HTTP/1.1
961	7.12043000	172.16.97.137	239.255.255.250	SSDP	175	M-SEARCH * HTTP/1.1
973	7.25395700	172.16.98.30	208.97.176.141	HTTP	751	GET /images/PDD/nick/default.css HTTP/1.1
974	7.25446900	172.16.98.30	208.97.176.141	HTTP	752	GET /images/PDD/nick/galleria.css HTTP/1.1
976	7.25470900	172.16.98.30	208.97.176.141	HTTP	692	GET /jquery.min.js HTTP/1.1
977	7.25491800	172.16.98.30	208.97.176.141	HTTP	728	GET /jquery.galleria.js HTTP/1.1
978	7.25514600	172.16.98.30	208.97.176.141	HTTP	722	GET /swfobject.js HTTP/1.1
979	7.25539100	172.16.98.30	208.97.176.141	HTTP	767	GET /images/PDD/categorias/delivery.gif HTTP/1.1
1000	7.47805500	208.97.176.141	172.16.98.30	HTTP	186	HTTP/1.1 304 Not Modified
1007	7.68471100	208.97.176.141	172.16.98.30	HTTP	162	HTTP/1.1 304 Not Modified
1008	7.68509900	208.97.176.141	172.16.98.30	HTTP	186	HTTP/1.1 304 Not Modified
1009	7.68522000	208.97.176.141	172.16.98.30	HTTP	187	HTTP/1.1 304 Not Modified
1011	7.70463900	208.97.176.141	172.16.98.30	HTTP	378	HTTP/1.1 206 Partial Content

Frame 871: 678 bytes on wire (5424 bits), 678 bytes captured (5424 bits) on interface 0
 Ethernet II, Src: AsrockIn_bf:5c:05 (00:25:22:bf:5c:05), Dst: Fortinet_09:00:05 (00:09:0f:09:00:05)
 Internet Protocol Version 4, Src: 172.16.98.30 (172.16.98.30), Dst: 208.97.176.141 (208.97.176.141)
 Hypertext Transfer Protocol
 GET /modules.php?name=PDD&func=nick&nick=latropilla HTTP/1.1
 [Expert Info (Chat/Sequence): GET /modules.php?name=PDD&func=nick&nick=latropilla HTTP/1.1
 Request Method: GET
 Request URI: /modules.php?name=PDD&func=nick&nick=latropilla
 Request Version: HTTP/1.1
 Host: latropilla.platosdelidia.com
 Connection: keep-alive
 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
 Upgrade-Insecure-Requests: 1
 User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/48.0.2564.109 Safari/537.36
 Accept-Encoding: gzip, deflate, sdch
 Accept-Language: en-US,en;q=0.8,es;q=0.6



웹 브라우저는 **HTML**이라는 문서를
해석해서 **렌더링**하는 역할을 합니다.

```
<html lang="en">
<head>
  <title>bitsofcode</title>
</head>
<body>
  <header>
    <h1>bitsofcode</h1>
  </header>
</body>
</html>
```

DOM

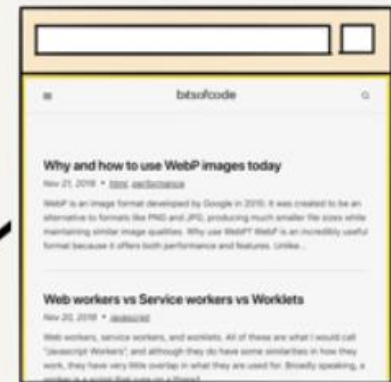
CSSOM

Render Tree

Layout

Paint

Composite



• 렌더링

html과 css가 어떻게 화면에 보여질지 결정되는 과정



HTML: 웹 문서를 표현하기 위해 고안된 텍스트 포맷