

02

Free Online Course

Web Application Programming **101**

Basic



HTML



CSS



JS





1. Client and Server Devices
2. Request and Response Operations
3. Web Browser with HTML, CSS and JavaScript
4. Web Browser's Developer Tools
5. HTML Structure
6. HTML Components and Keywords
7. HTML Programming (Create a static webpage)

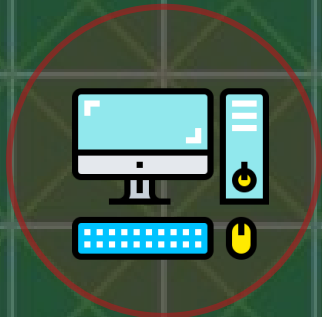
1. Client and Server Devices



Wearable Device



Portable Device

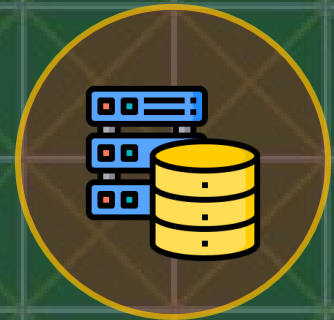


Personal Device

Cloud Server



Data Server



Web Server



2. Request and Response Operations



Client



```
GET /index.html HTTP/1.1
Host: developer.mozilla.org
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.9; rv:50.0) Gecko/20100101
Firefox/50.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate, br
Referer: https://developer.mozilla.org/testpage.html
Connection: keep-alive
Upgrade-Insecure-Requests: 1
If-Modified-Since: Wed, 14 Sep 2022 07:36:04 GMT
If-None-Match: "c561c68d0ba92bbeb8b0fff2a9199f722e3a621a"
Cache-Control: max-age=0
```

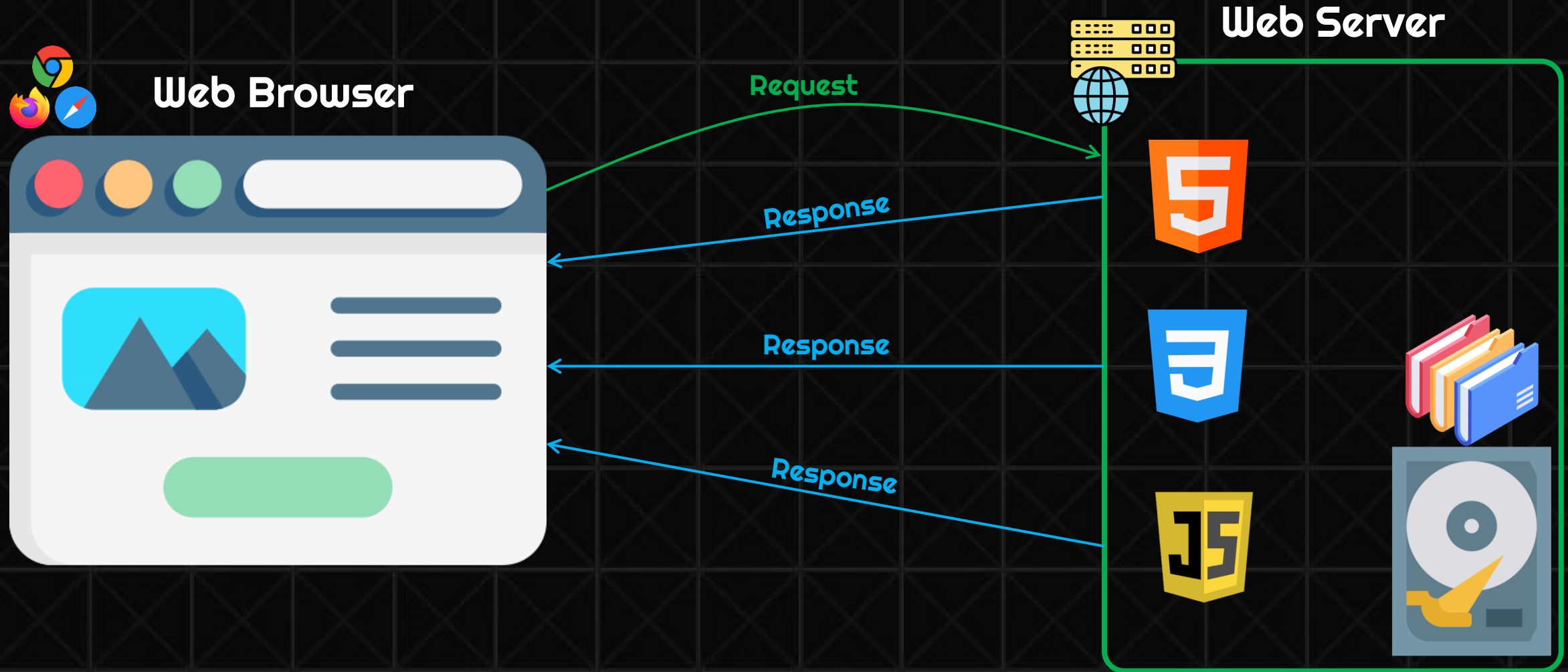
Server



```
HTTP/1.1 200 OK
Transfer-Encoding: chunked
Date: Sat, 28 Nov 2009 04:36:25 GMT
Server: LiteSpeed
Connection: close
X-Powered-By: W3 Total Cache/0.8
Pragma: public
Expires: Wed, 14 Sep 2022 07:36:07 GMT
Etag: "pub1259380237;gz"
Cache-Control: max-age=3600, public
Content-Type: text/html; charset=UTF-8
Last-Modified: Sat, 28 Nov 2009 03:50:37 GMT
X-Pingback: https://code.tutsplus.com/xmlrpc.php
Content-Encoding: gzip
Vary: Accept-Encoding, Cookie, User-Agent

<html>
  <head></head>
  <body>HELLO</body>
</html>
```

3. Web Browser with HTML, CSS and JavaScript



4. Web Browser's Developer Tools



The screenshot shows a Google Chrome browser window displaying the Google homepage. The Developer Tools panel is open at the bottom, with the Network tab selected. The network log shows several requests, with the first request to `www.google.com` selected. The details pane for this request is visible, showing the following information:

- General**
 - Request URL: `https://www.google.com/`
 - Request Method: `GET`
 - Status Code: `200`
 - Remote Address: `216.58.196.36:443`
 - Referrer Policy: `origin`
- Response Headers**

The bottom of the Developer Tools panel shows the status bar with the following information:

- 43 / 44 requests
- 673 kB / 673 kB transferred
- 2.7 MB / 2.7 MB resources

5. HTML Structure



<html>

<head>

<title></title>

<style></style>

</head>

<body>

<div>

<h1></h1>

<p></p>

</div>

</body>

</html>

5. HTML Components and Keywords



HTML Elements



HTML Comments



HTML Favicon



HTML Head



HTML Links



HTML Headings



HTML Paragraphs



HTML Formatting



HTML Lists



HTML Tables



HTML Attributes



HTML Styles



HTML Colors



HTML Iframes



HTML class Attribute



HTML id Attribute



Let's Code

