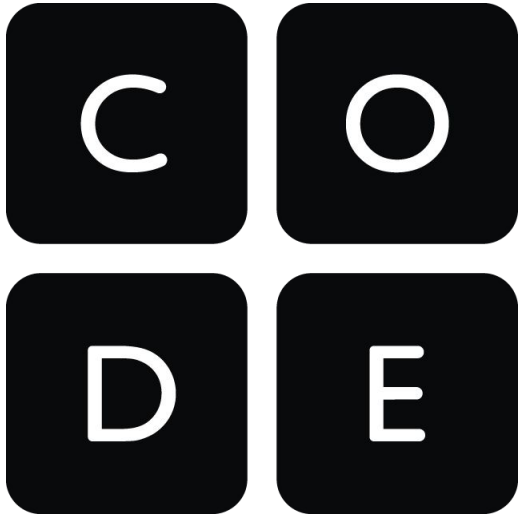
# WE/CODE

## WOMEN'S WEEKEND

#WECODEWW16

CODE.ORG

***Access* + *participation***
in computer science.

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# The Web

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# The World Wide Web

***1 billion*** Websites

***3.4 billion*** users

# The Internet

***Interconnected*** devices all around the World.

# The Internet

***6.3 billion*** devices

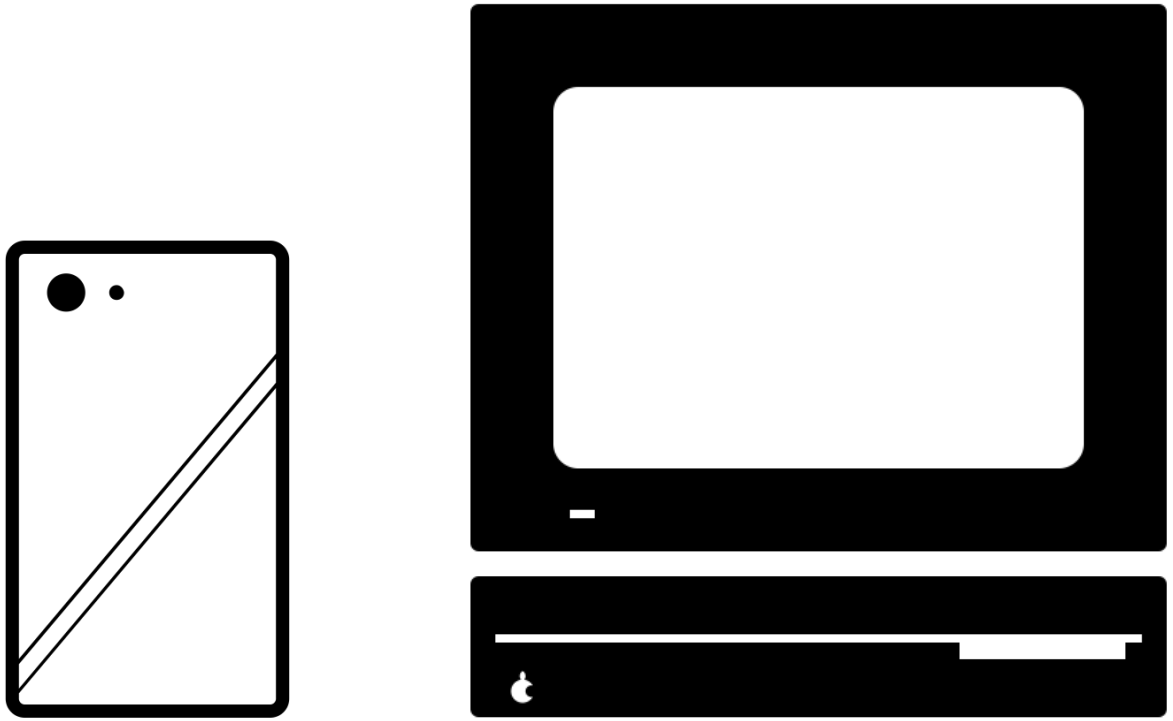
# The Internet

Two kinds of devices:

- ***Servers***
- ***Clients***

# The Internet

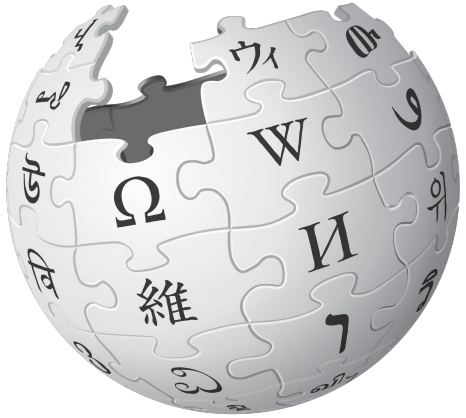
***Clients*** - devices that consume info



# The Internet

***Servers*** - devices that provide info

Google



WIKIPEDIA
The Free Encyclopedia

IRON HACK .com

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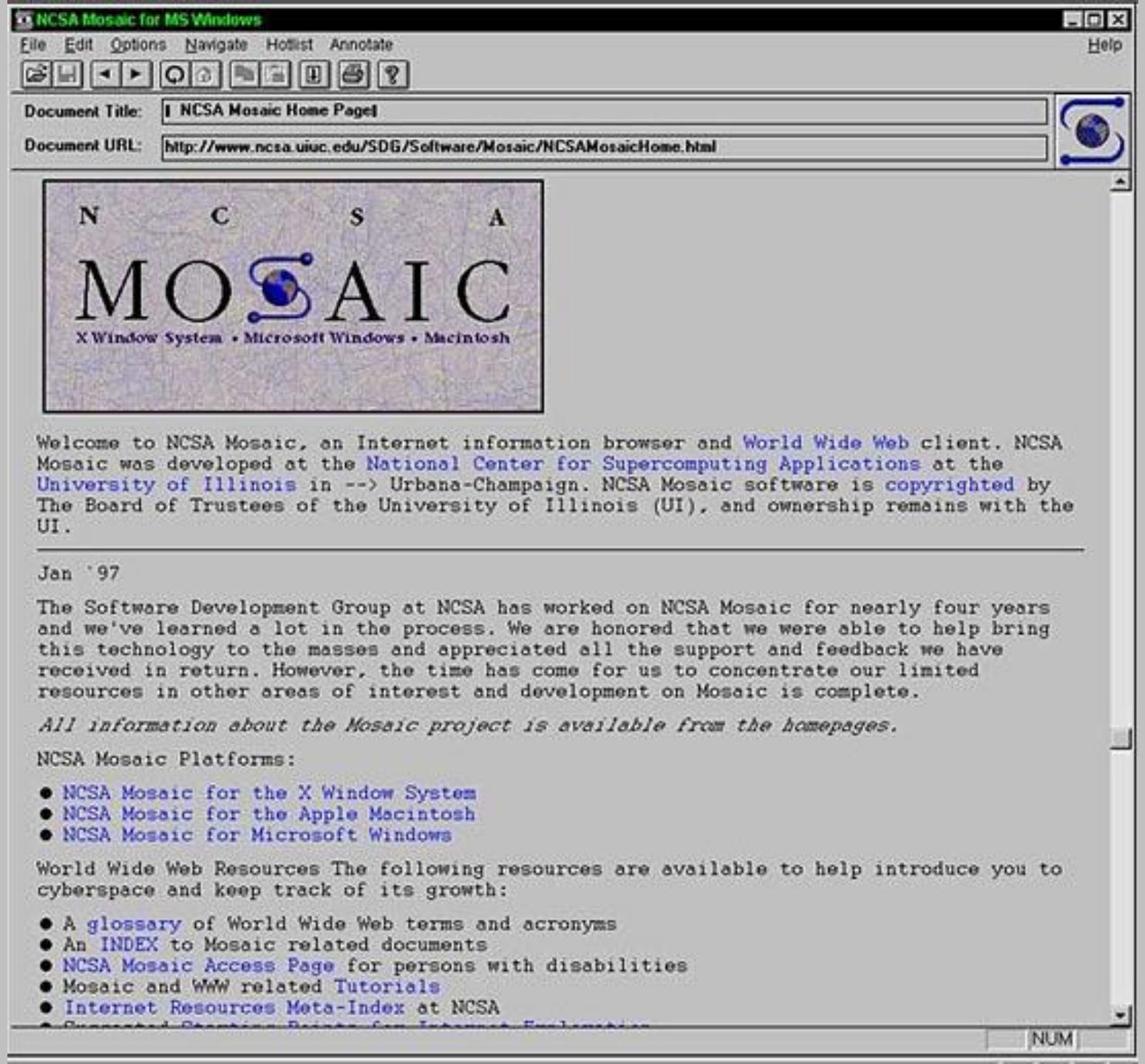
# Browsers

Our gateway into the Internet.


NCSA Mosaic for MS Windows
File Edit Options Navigate Hotlist Annotate Help
Document Title: NCSA Mosaic Home Page!
Document URL: http://www.ncsa.uiuc.edu/SDG/Software/Mosaic/NCSAMosaicHome.html
N C S A
MOSAIC
X Window System • Microsoft Windows • Macintosh
Welcome to NCSA Mosaic, an Internet information browser and World Wide Web client. NCSA Mosaic was developed at the National Center for Supercomputing Applications at the University of Illinois in --> Urbana-Champaign. NCSA Mosaic software is copyrighted by The Board of Trustees of the University of Illinois (UI), and ownership remains with the UI.
Jan '97
The Software Development Group at NCSA has worked on NCSA Mosaic for nearly four years and we've learned a lot in the process. We are honored that we were able to help bring this technology to the masses and appreciated all the support and feedback we have received in return. However, the time has come for us to concentrate our limited resources in other areas of interest and development on Mosaic is complete.
All information about the Mosaic project is available from the homepages.
NCSA Mosaic Platforms:
NCSA Mosaic for the X Window System
NCSA Mosaic for the Apple Macintosh
NCSA Mosaic for Microsoft Windows
World Wide Web Resources The following resources are available to help introduce you to cyberspace and keep track of its growth:
A glossary of World Wide Web terms and acronyms
An INDEX to Mosaic related documents
NCSA Mosaic Access Page for persons with disabilities
Mosaic and WWW related Tutorials
Internet Resources Meta-Index at NCSA
NUM

# Back in 1993


http://www.zagat.com/san-francisco
ZAGAT
Survey | Zagat Wine | Help
SAN FRANCISCO
Ratings & Reviews
Lists
Buzz
Search
Restaurants with Amazing Beer Lists in San Francisco
Best Swanky Bars in NYC
FILTER BY
FILTER BY LOCATION
FILTER BY CATEGORY
4:40 PM
100%
My Laptop
Last synced: Seconds
Zagat - San Francisco Resi
chrome

# Browsers

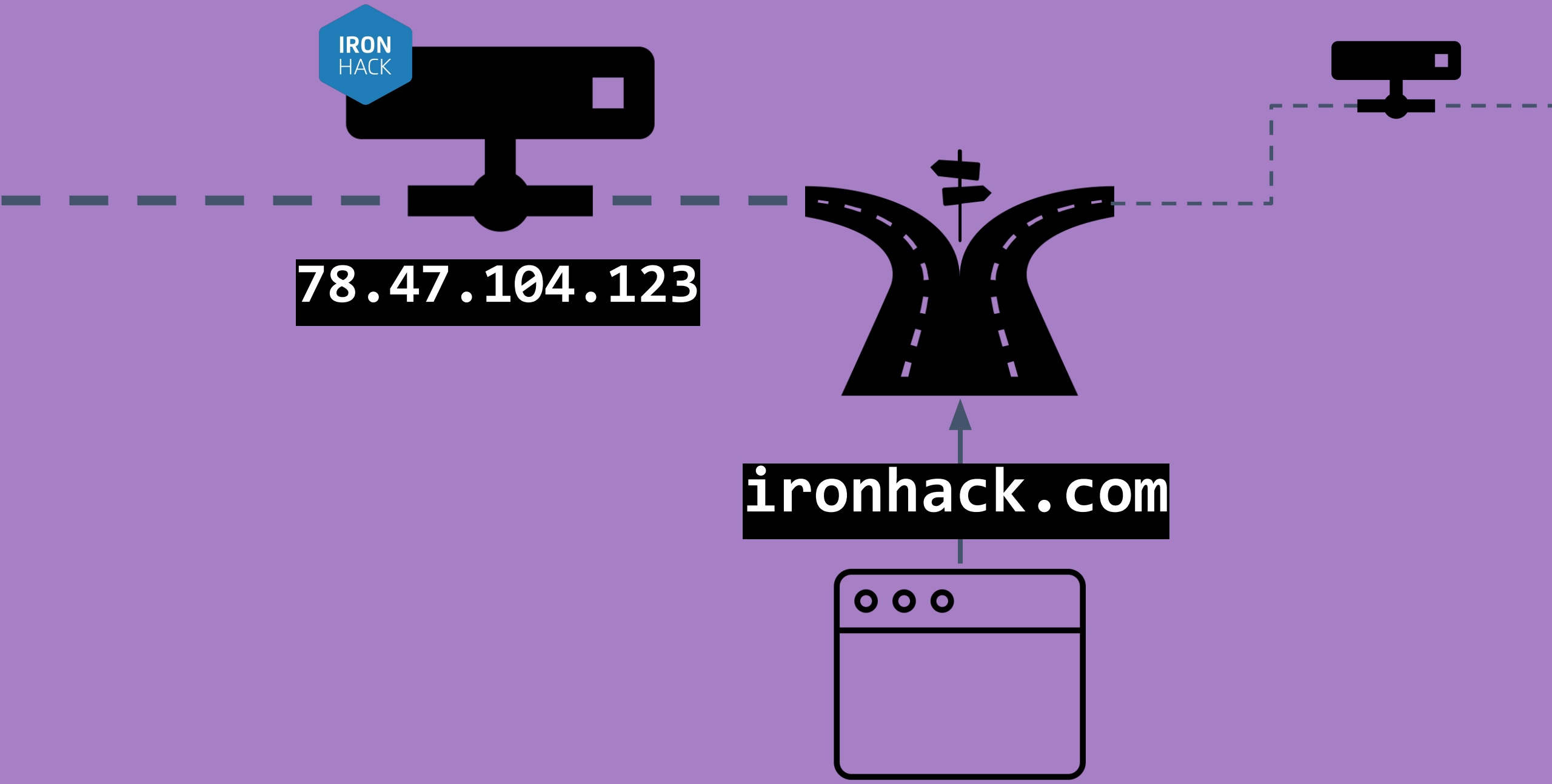
***Several steps*** to access a page on a Website.

# Browsers

(1) Type in a domain like `ironhack.com` into your browser.

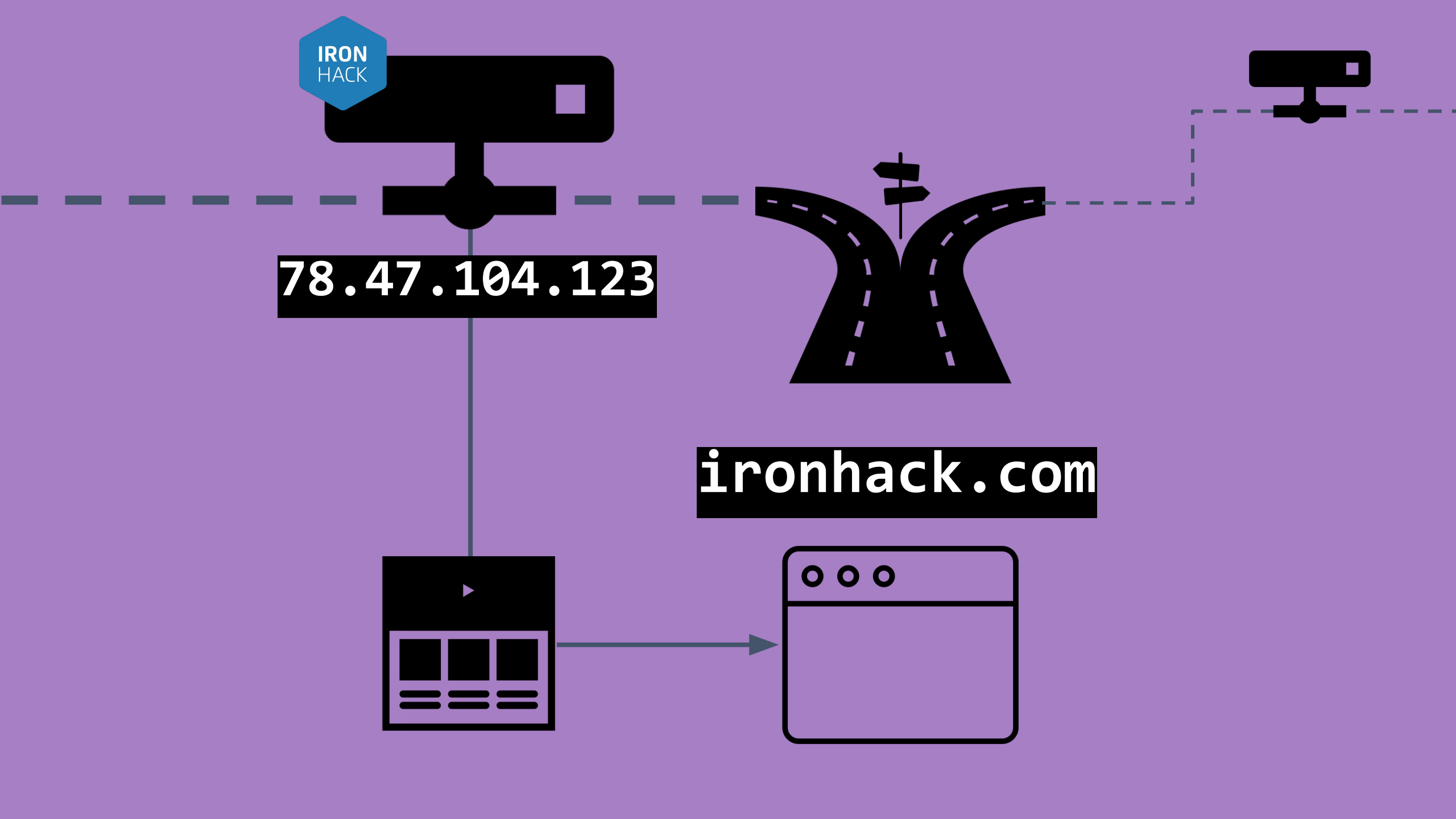
# Browsers

(2) Browser translates the ***domain*** into an ***IP address***.


IRON
HACK
78.47.104.123
ironhack.com

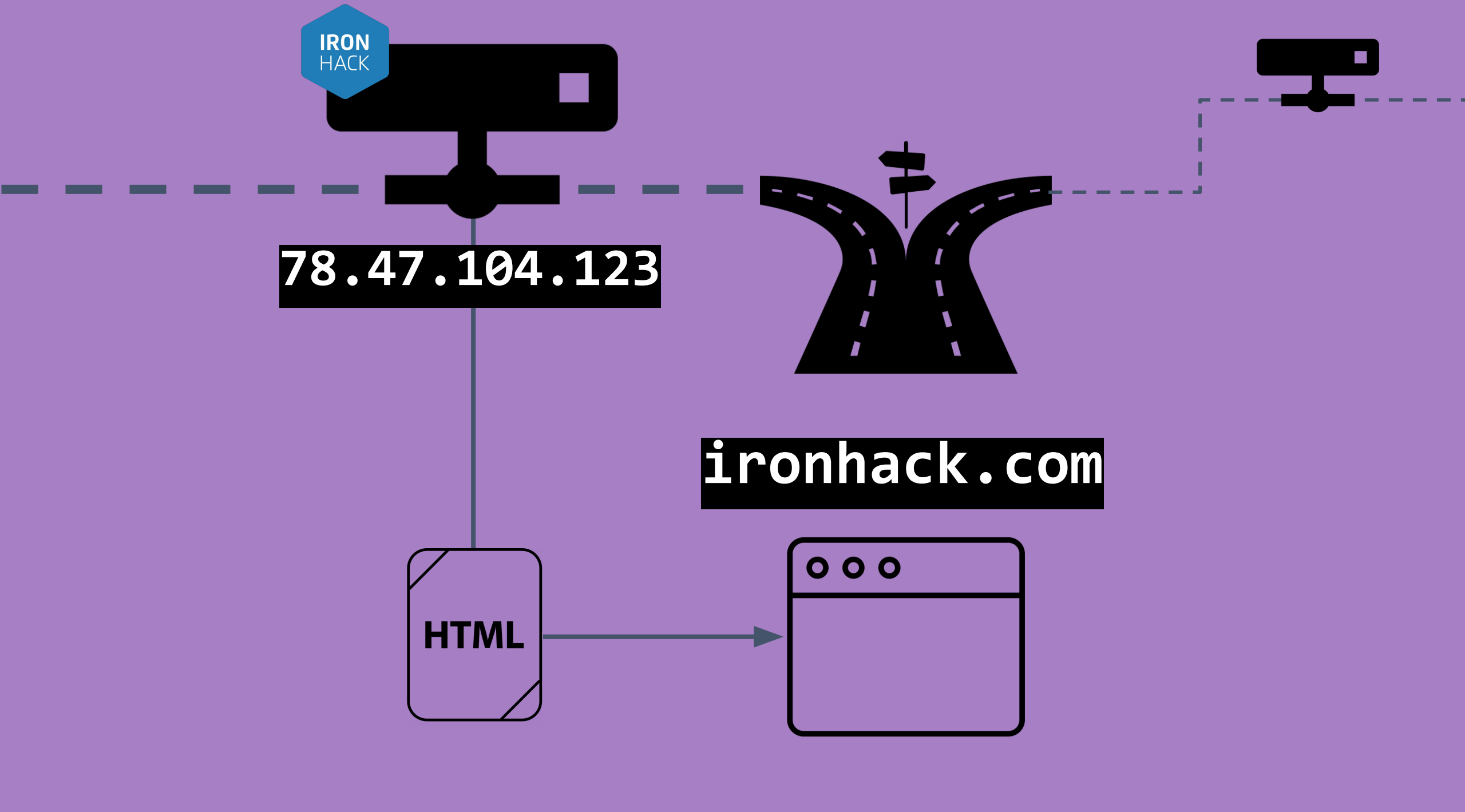
# Browsers

(3) Server sends ***the contents*** of the page to the browser.


IRON
HACK
78.47.104.123
ironhack.com

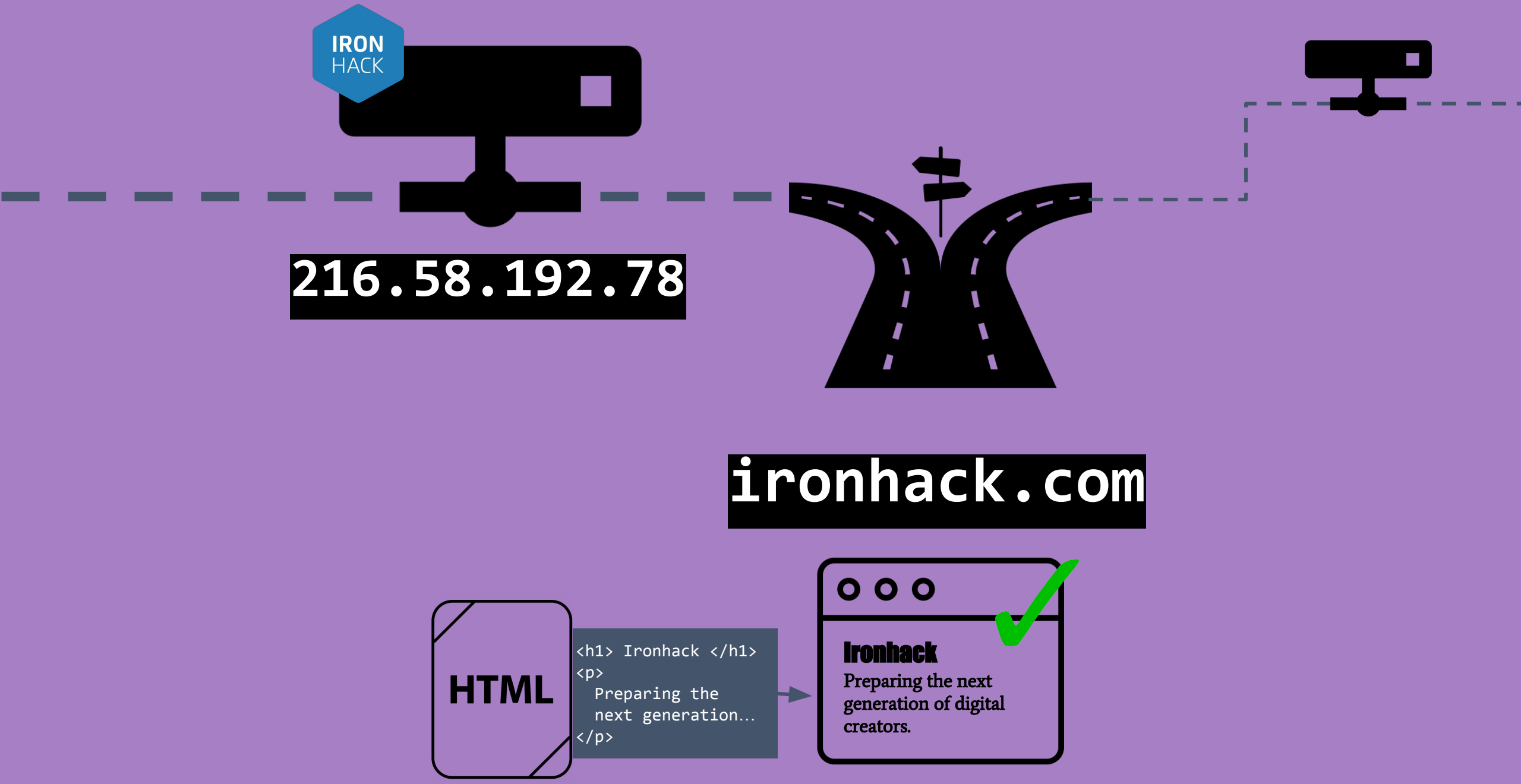
# Browsers

(3) Page's contents are really sent in the form of ***HTML code***.


IRON
HACK
78.47.104.123
ironhack.com
HTML

# Browsers

(4) Browser ***interprets*** the HTML and displays it.


IRON
HACK
216.58.192.78
ironhack.com
HTML
<h1> Ironhack </h1>

Preparing the
next generation...

Ironhack
Preparing the next generation of digital creators.

# Browsers

Browser demo:

ironhack.com

# Our Project

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# Personal Site

This weekend's project:

***a personal site***.

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Hi, I'm Apoorv

# Personal Site

Learning 3 languages:

1. HTML
2. CSS
3. JavaScript

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# Personal Site

Think of a Website as ***a house***.

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# Personal Site

HTML is ***the structure***.
Walls, floors, cement.

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# Personal Site

CSS is ***the presentation***.
Paint and decorations.

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# Personal Site

JavaScript is the plumbing & electricity.

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# Web concepts

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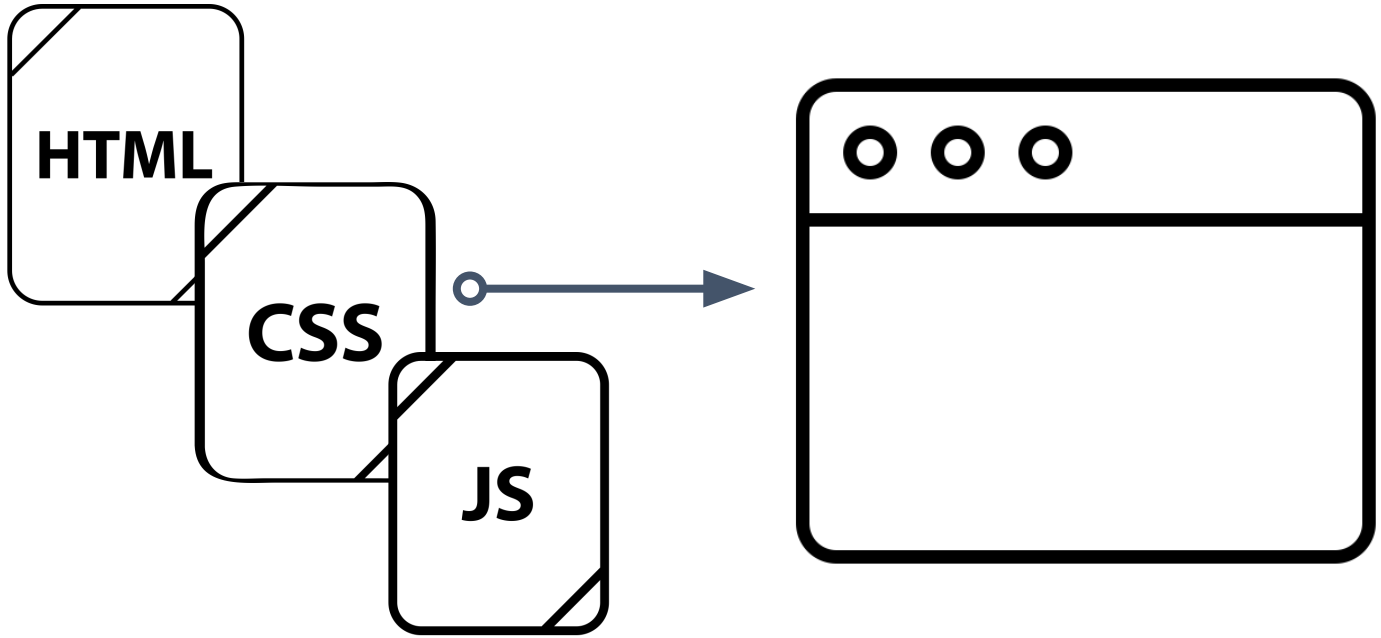
# Frontend vs. Backend

HTML, CSS & JavaScript are collectively called ***frontend code***.

# Frontend vs. Backend

HTML, CSS & JavaScript are received and run by the browser.

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# Frontend vs. Backend

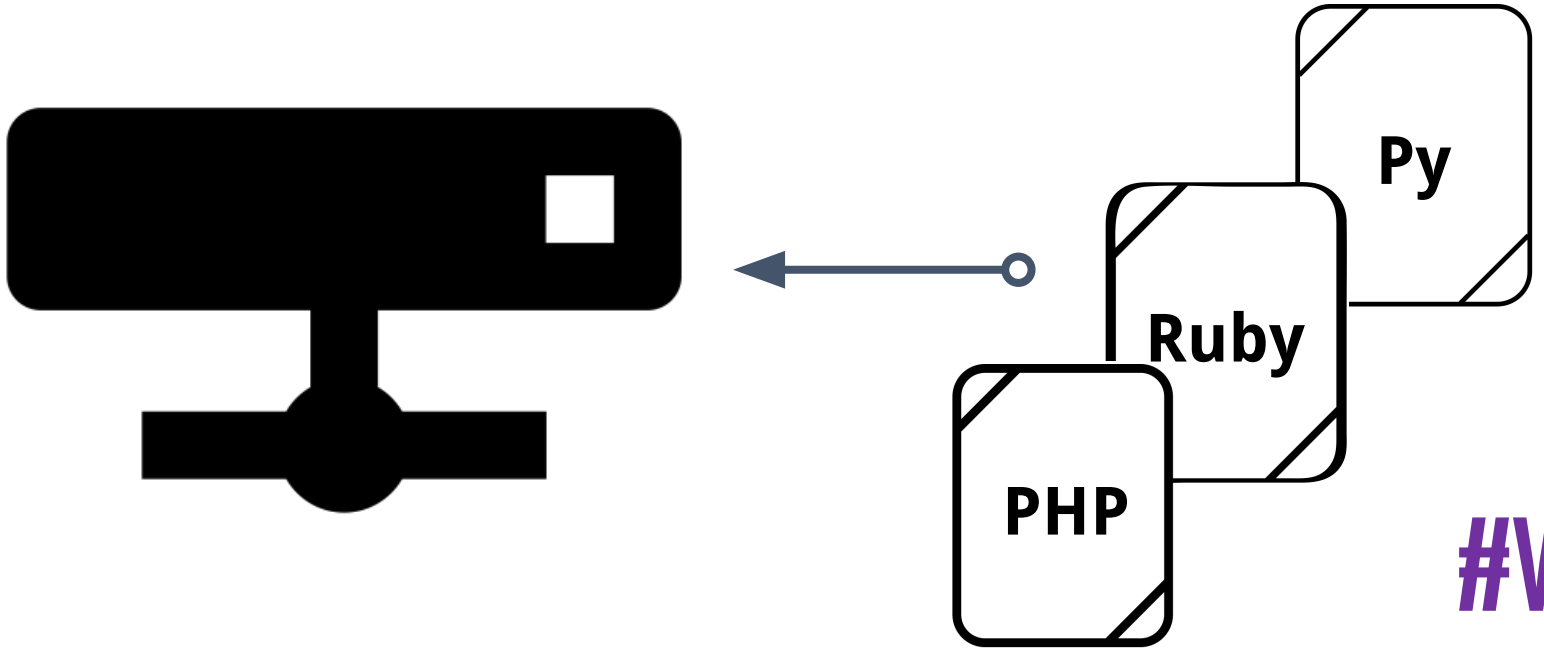
***Frontend code***: responsible for the app's interface.

# Frontend vs. Backend

***Backend code***:
run by servers.

# Frontend vs. Backend

Examples: ***PHP***, ***Ruby***, ***Python*** and ***Java***.

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# Frontend vs. Backend

***Backend code***:

manages content/data.

# Responsive Web Design

***Responsive Web design***: Website that works on any device and screen size.

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# Responsive Web Design

Responsive apps
work on any browser
***on any device***.

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# Native apps

***Native apps***:
created specifically
for Android or iOS.

# Native apps

***Native apps***:
platform specific.

# Time to code!

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