



Intro to Web Dev

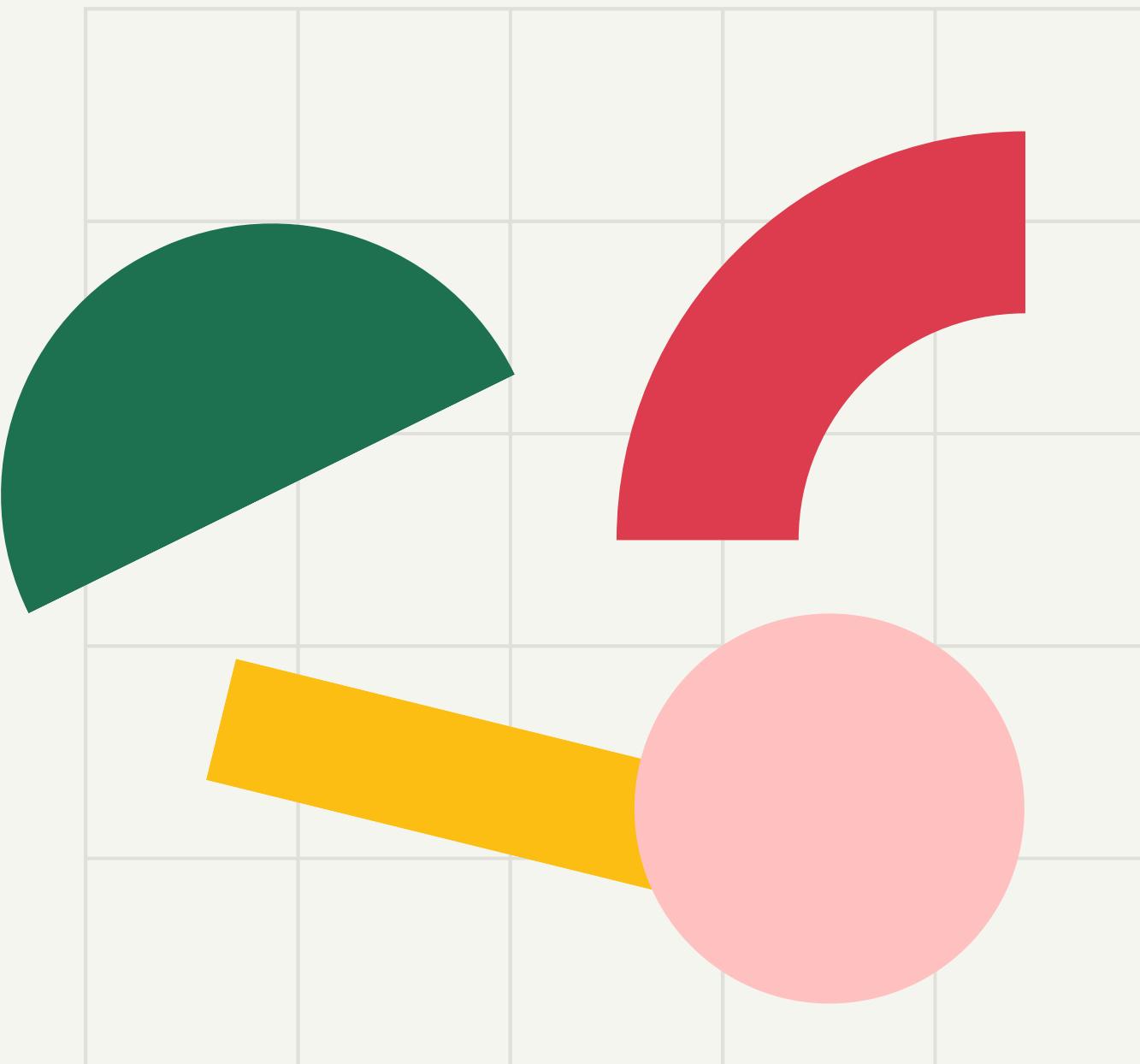
Course for Beginners



Unit Goals

what we'll cover

- What is the internet?
- The internet vs the web
- How does the web work?
- What are HTTP requests?
- What is a web server?
- Front-end vs back-end
- Environment Setup
- What are HTML, CSS & JS?
- What do they do?





The Internet

A global network of networks

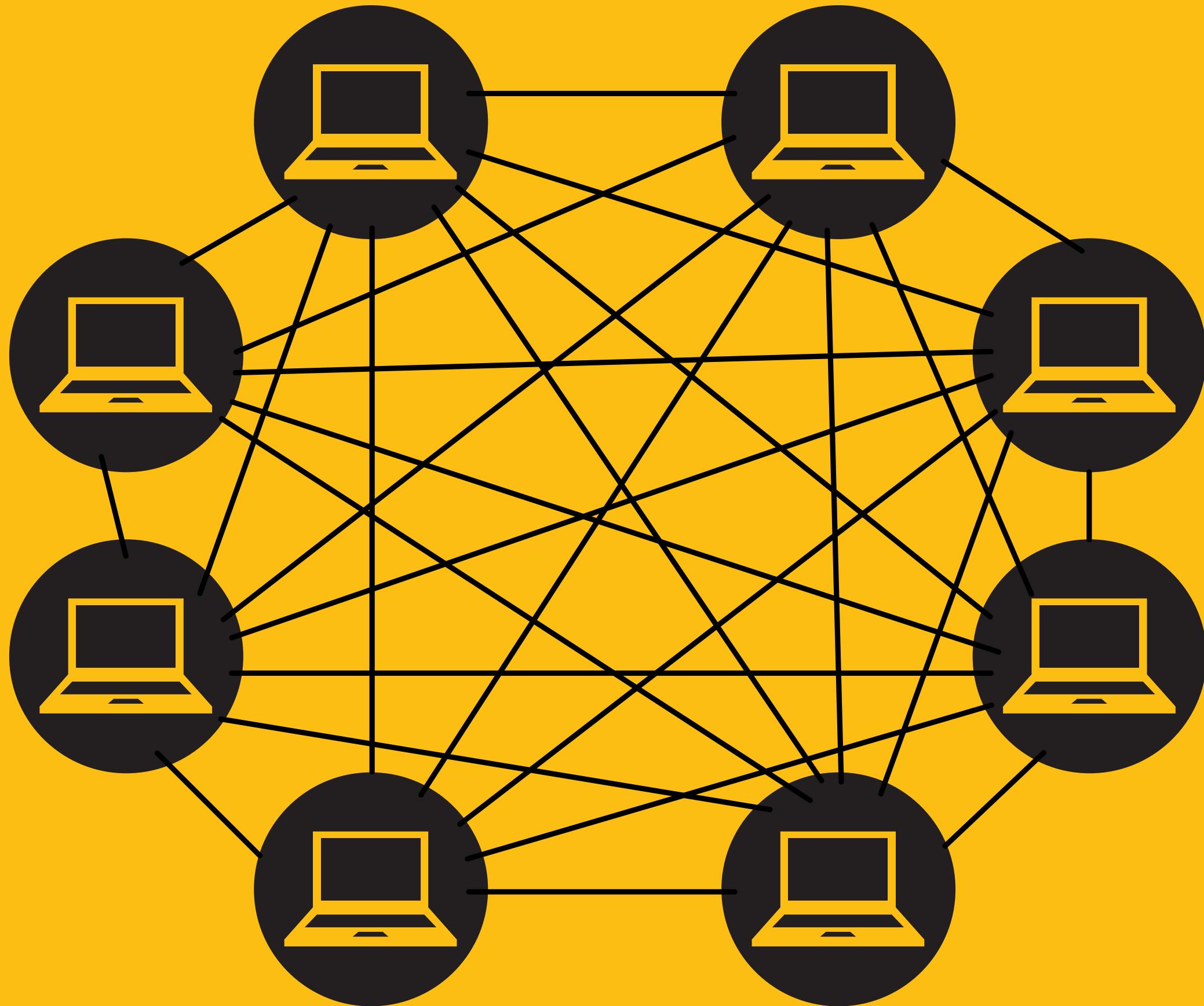
(a bunch of connected computers)



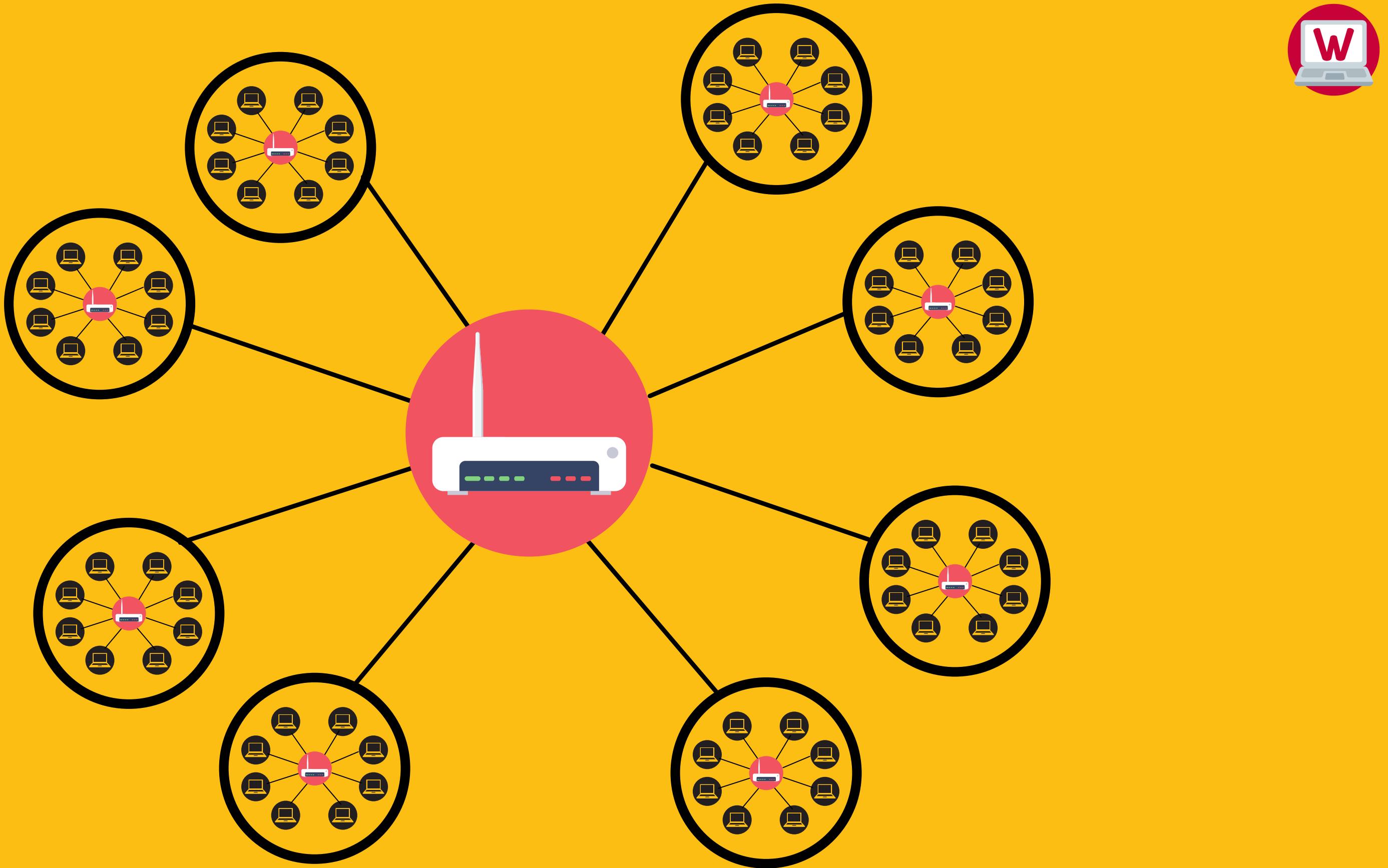


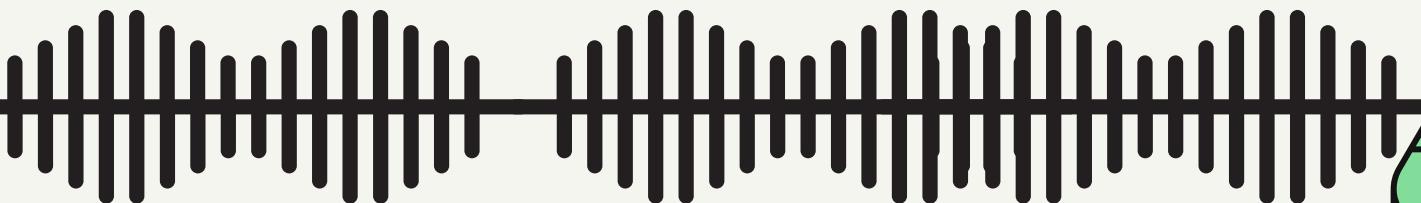
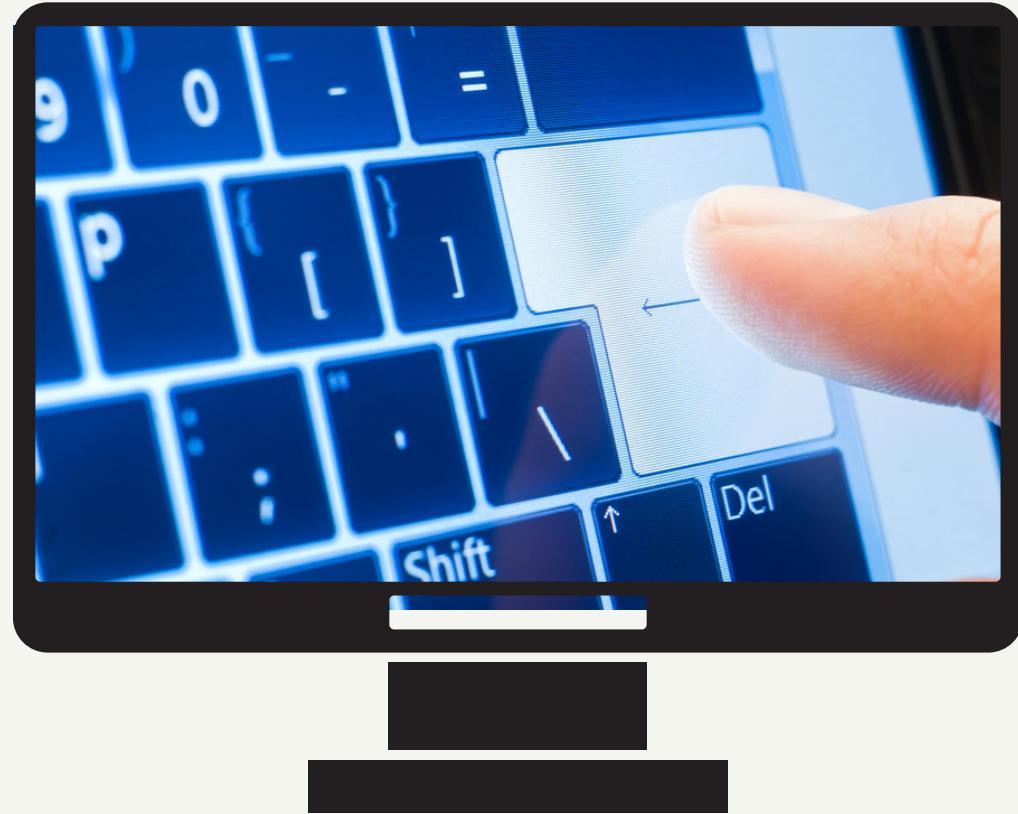
Hey!



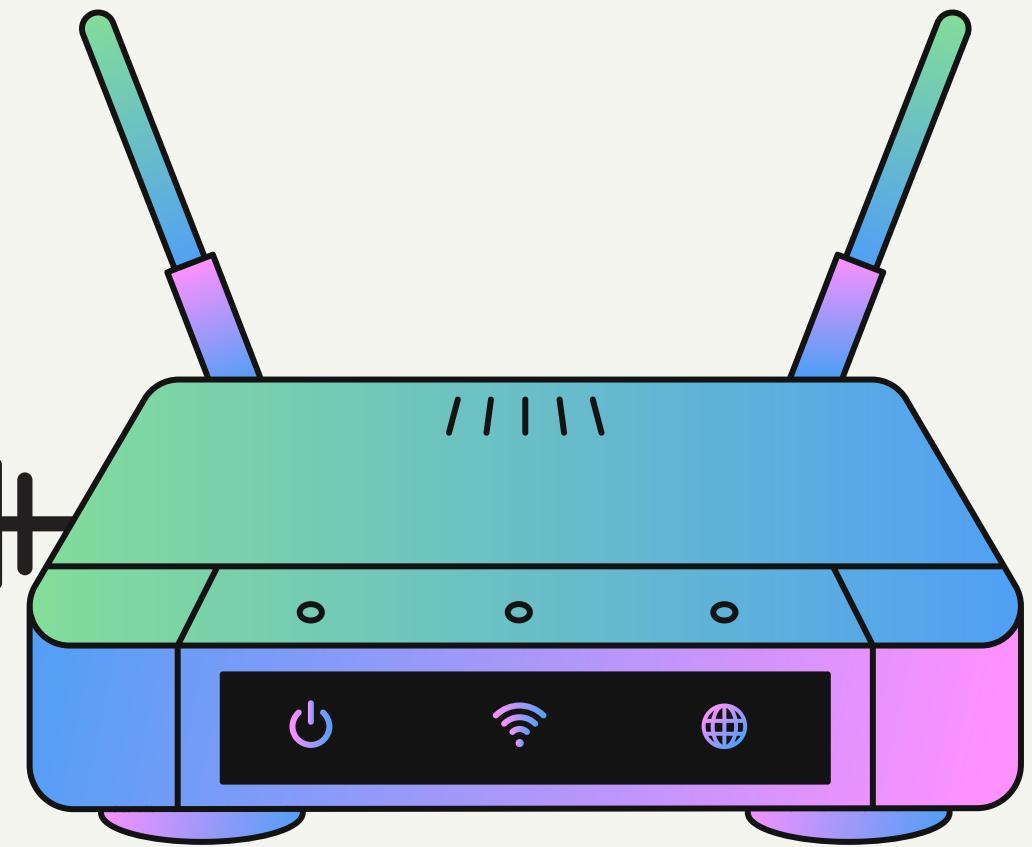








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11110001110





The internet is the infrastructure that carries things like:

- **email**
- **the web**
- **file sharing**
- **online gaming**
- **streaming services**



A diagram of a web browser window with a light orange background. The window has a red header bar with three dots, a 'New Tab' button, and a '+' button. Below the header is a toolbar with back/forward arrows, a search bar with a magnifying glass icon, and other standard browser controls. The main content area contains the following text:

THE INTERNET

Global network of interconnected computers that communicate via TCP/IP.

Network of networks.

A diagram of a web browser window with a light orange background. The window has a red header bar with three dots, a 'New Tab' button, and a '+' button. Below the header is a toolbar with back/forward arrows, a search bar with a magnifying glass icon, and other standard browser controls. The main content area contains the following text:

THE WEB

The World Wide Web (WWW) is an information system where documents and other resources are available over the Internet.

Documents are transferred via HTTP.



HTTP REQUESTS

- Hyper Text Transfer Protocol
- foundation of communication to the World Wide Web
- Request: *I would like this information, please*
- Response: *Ok, here you go!*

WEB SERVER



A computer* that can satisfy requests on the web.



*"server" is also used to refer to software running on the computer

WEB SERVER



A computer* that can satisfy requests on the web.

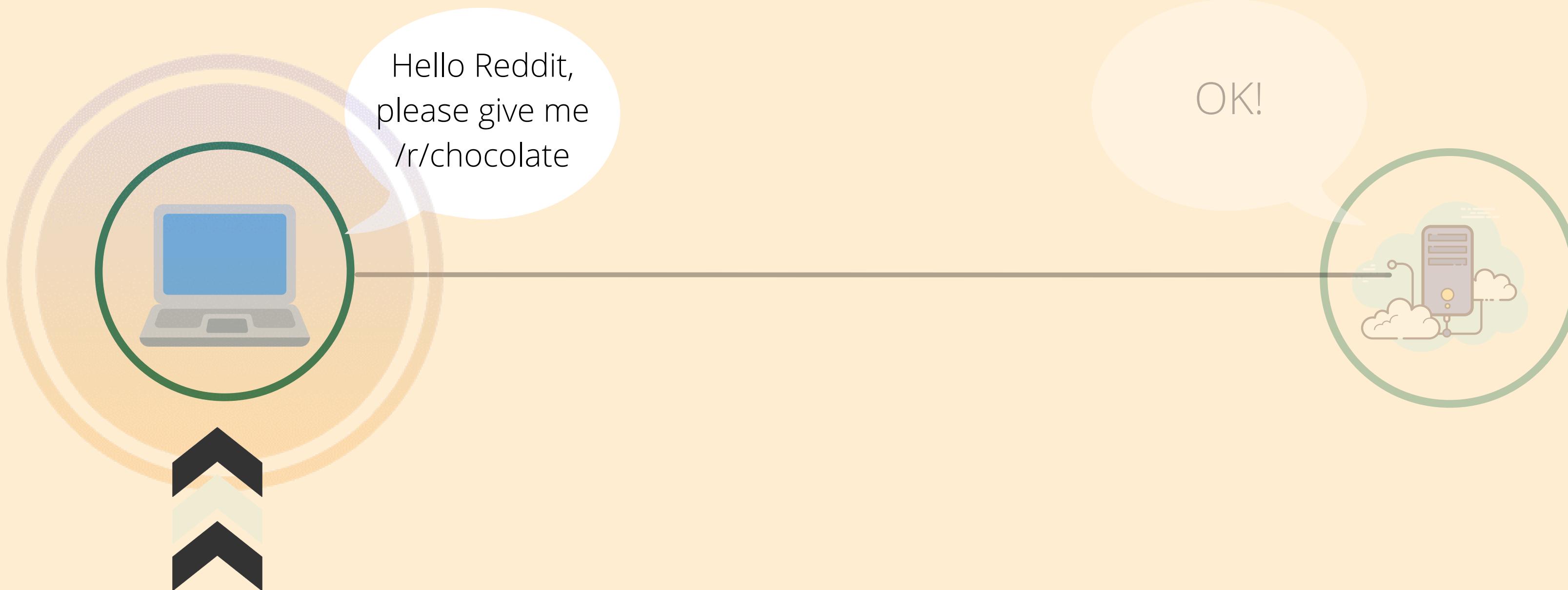


*"server" is also used to refer to software running on the computer

CLIENT

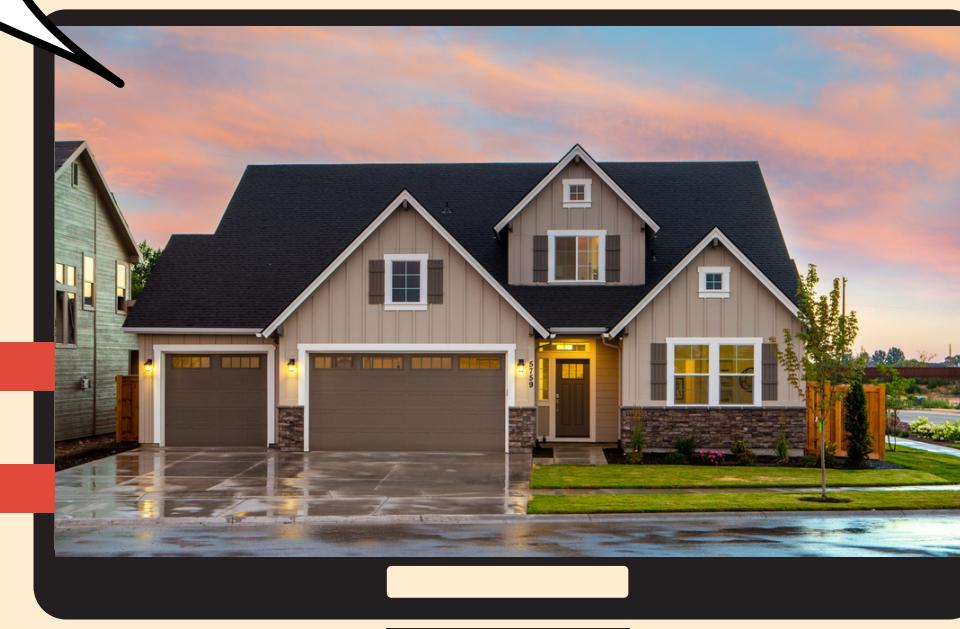
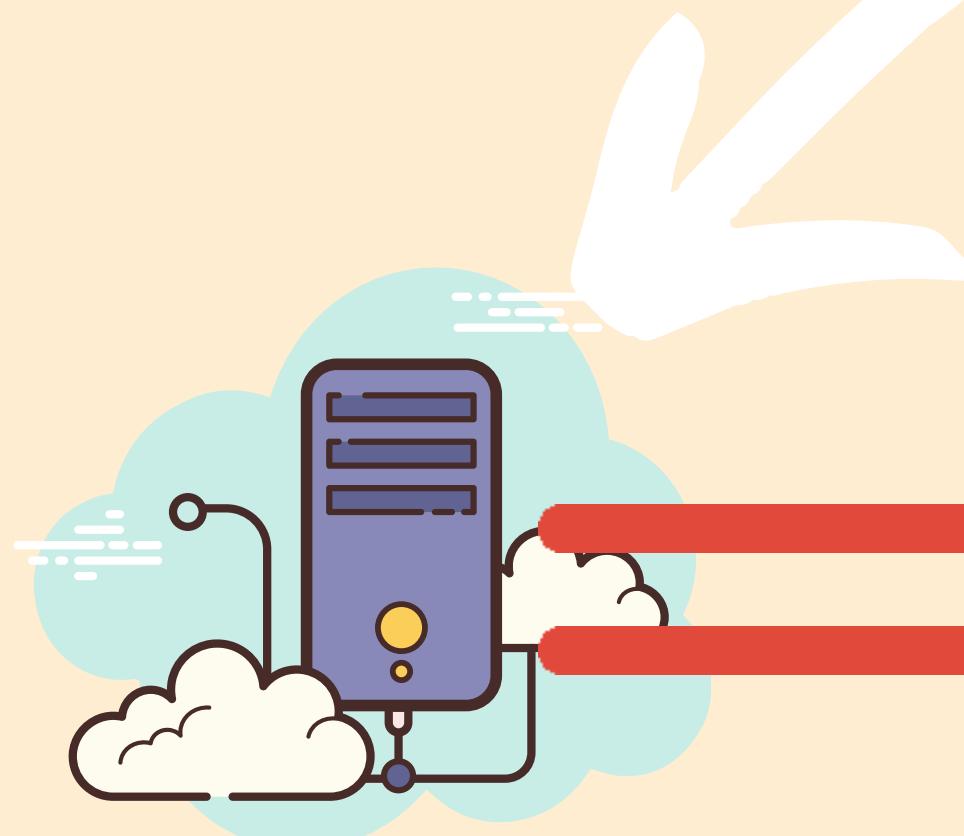
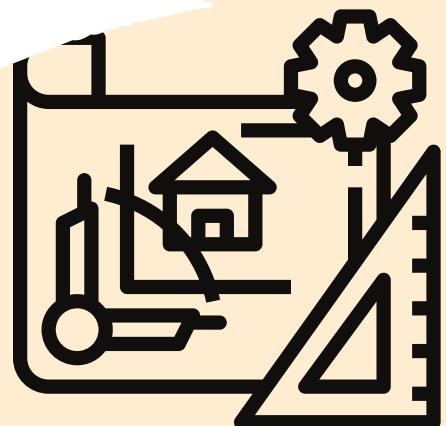


The computer that accesses a server



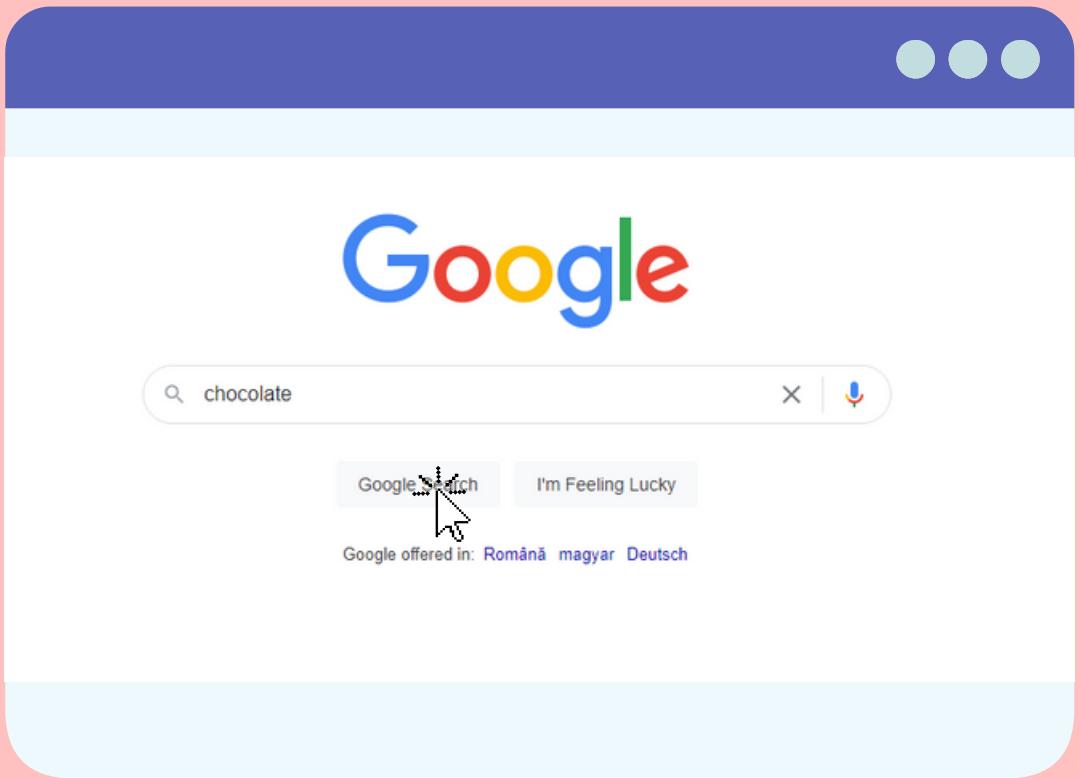


Here are the
instructions

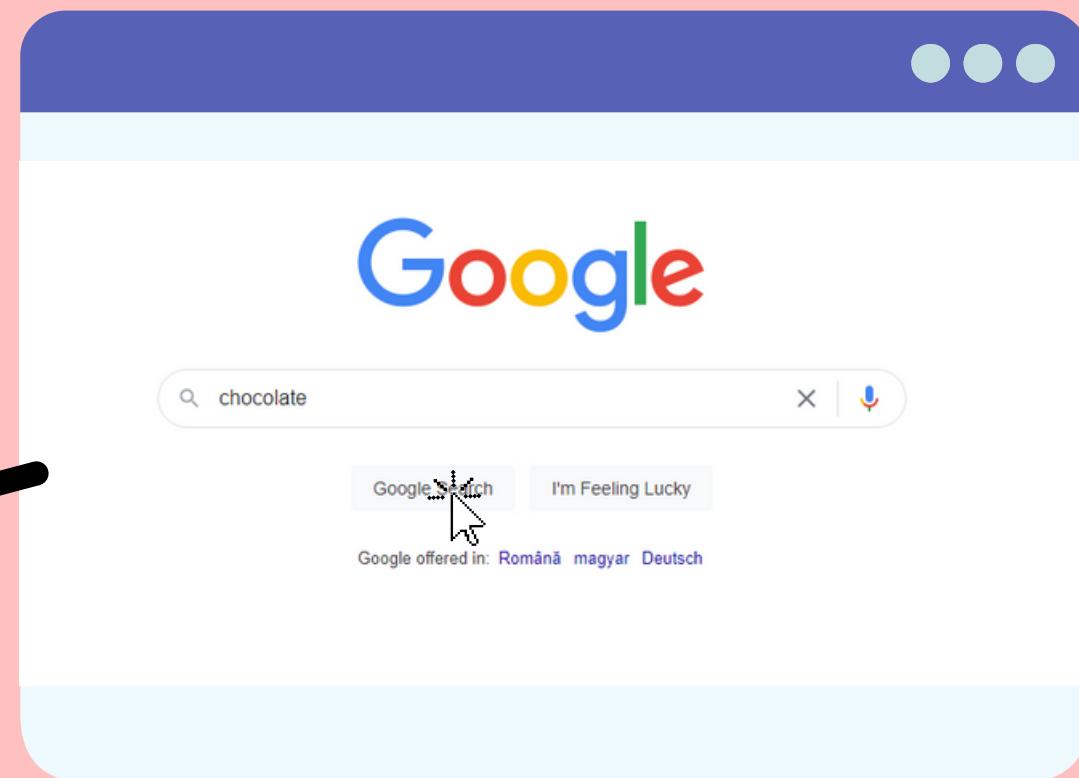


Look what
I made!

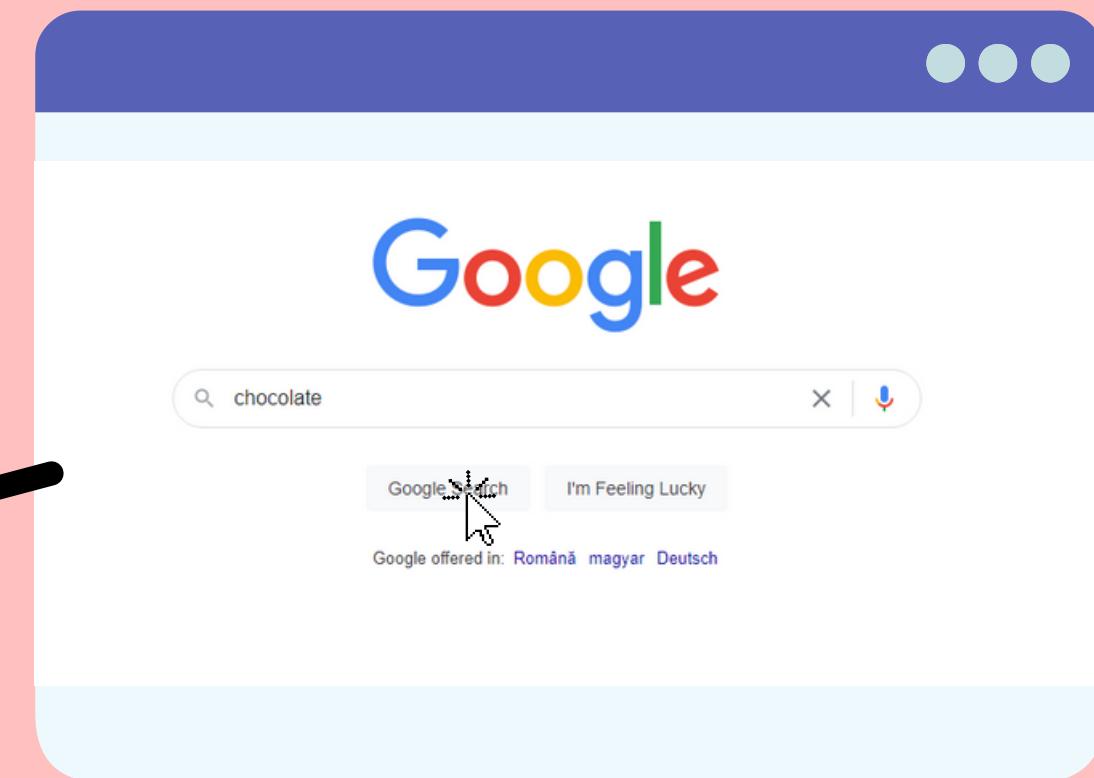
PLEASE GIVE ME
google.com/search?q=chocolate



PLEASE GIVE ME
google.com/search?q=chocolate

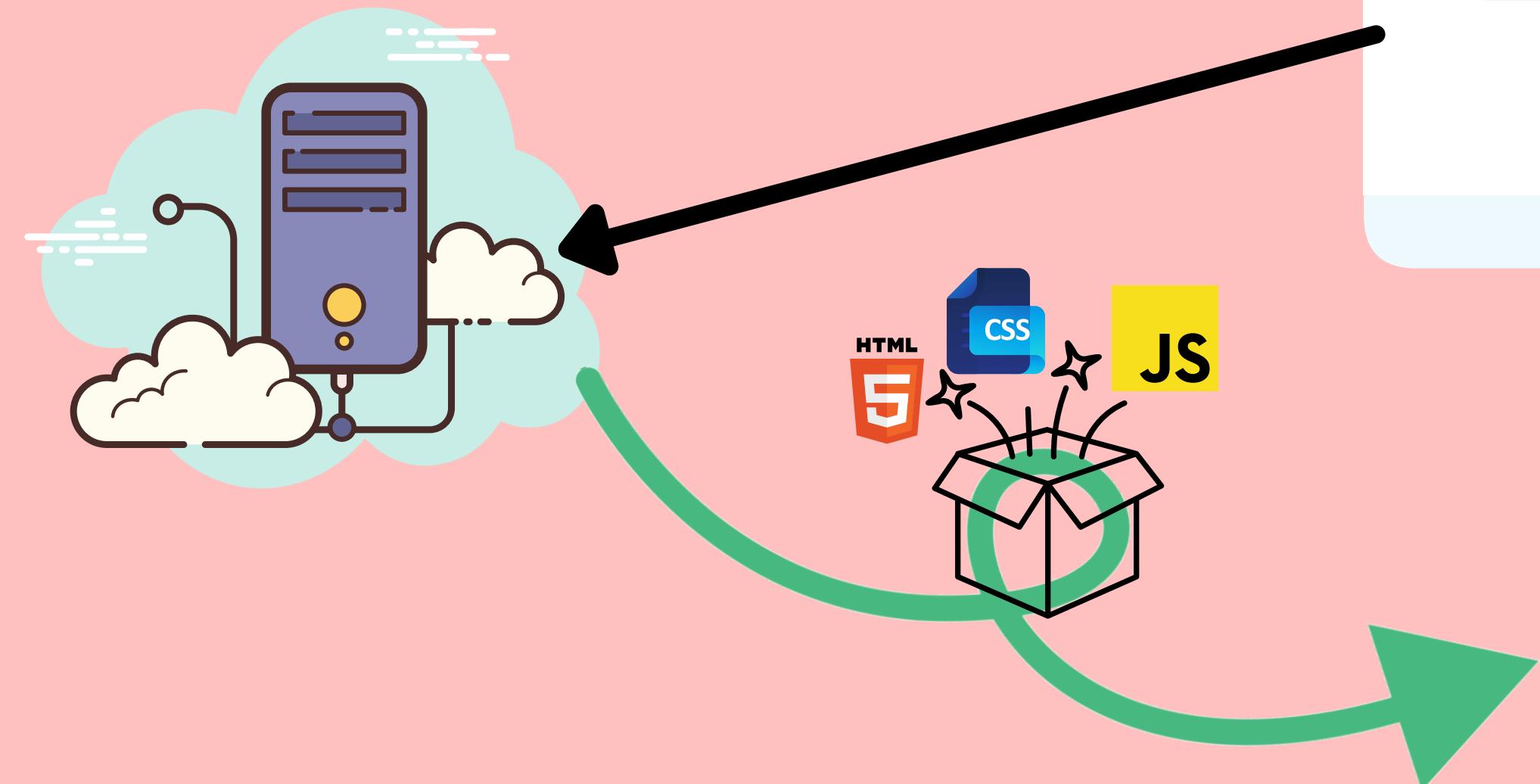
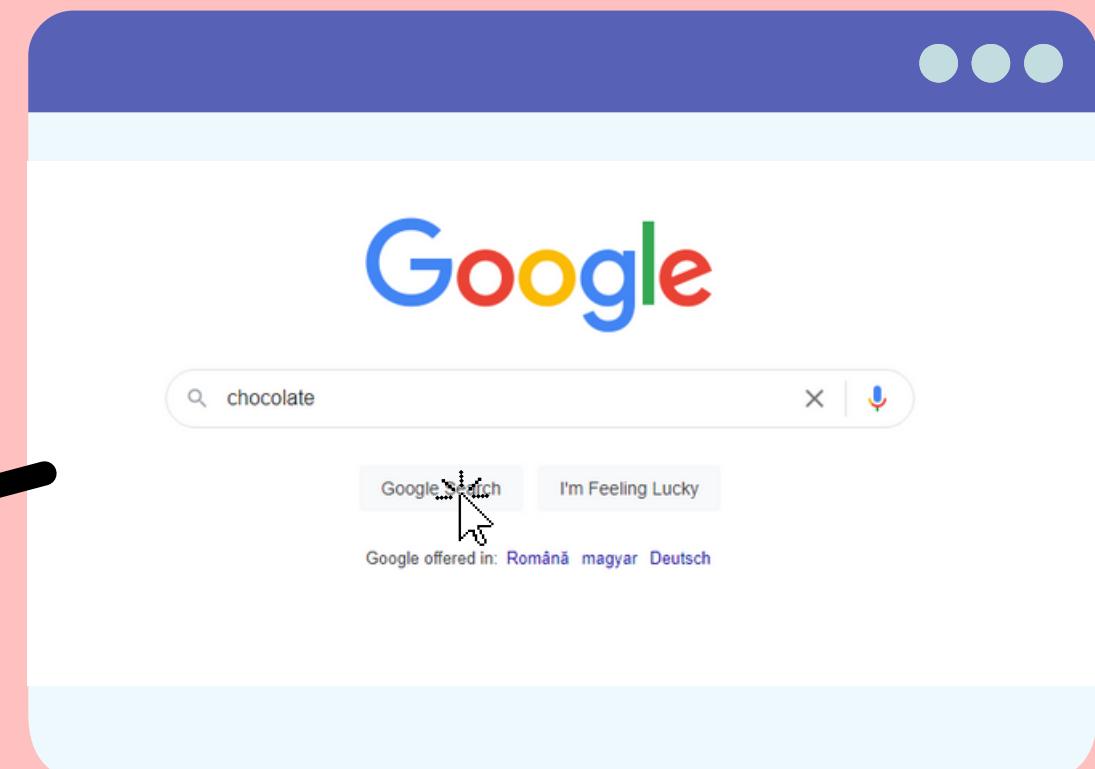


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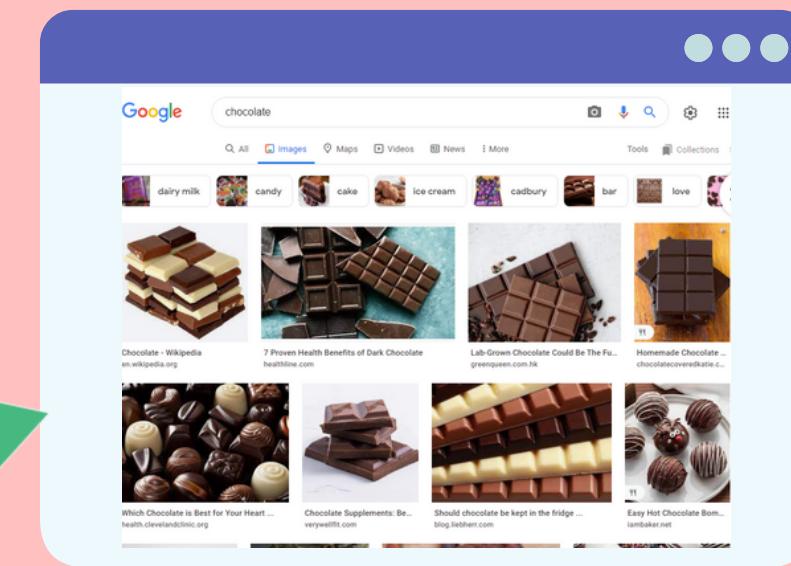
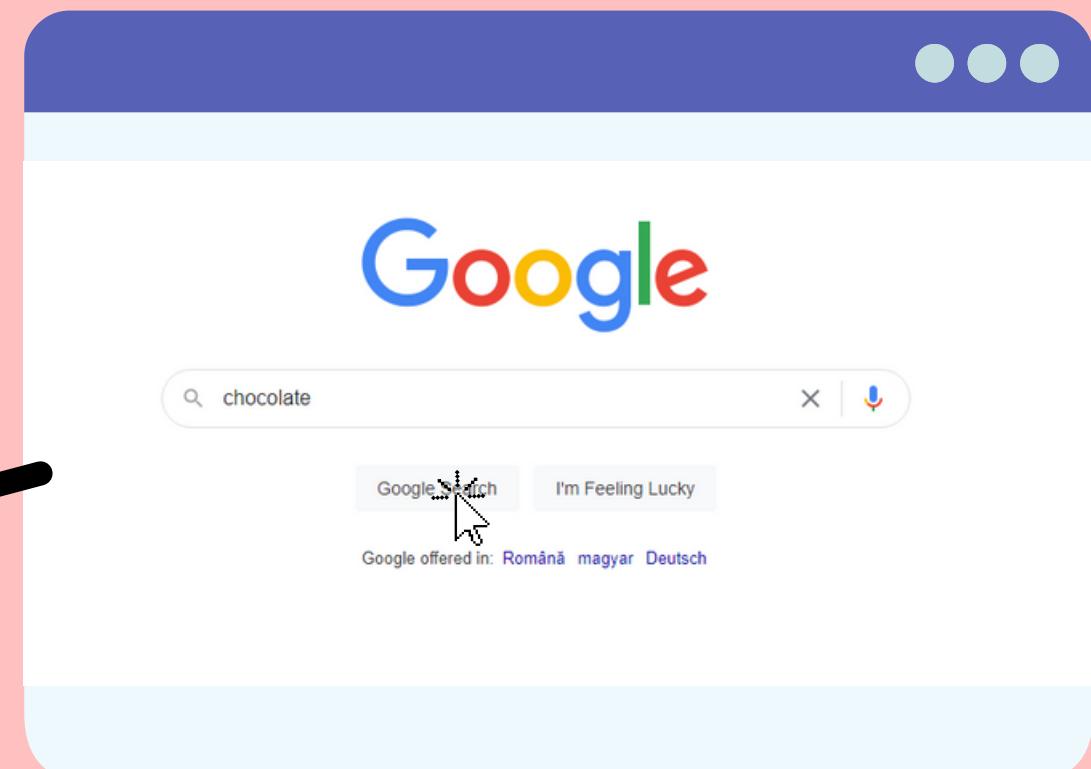
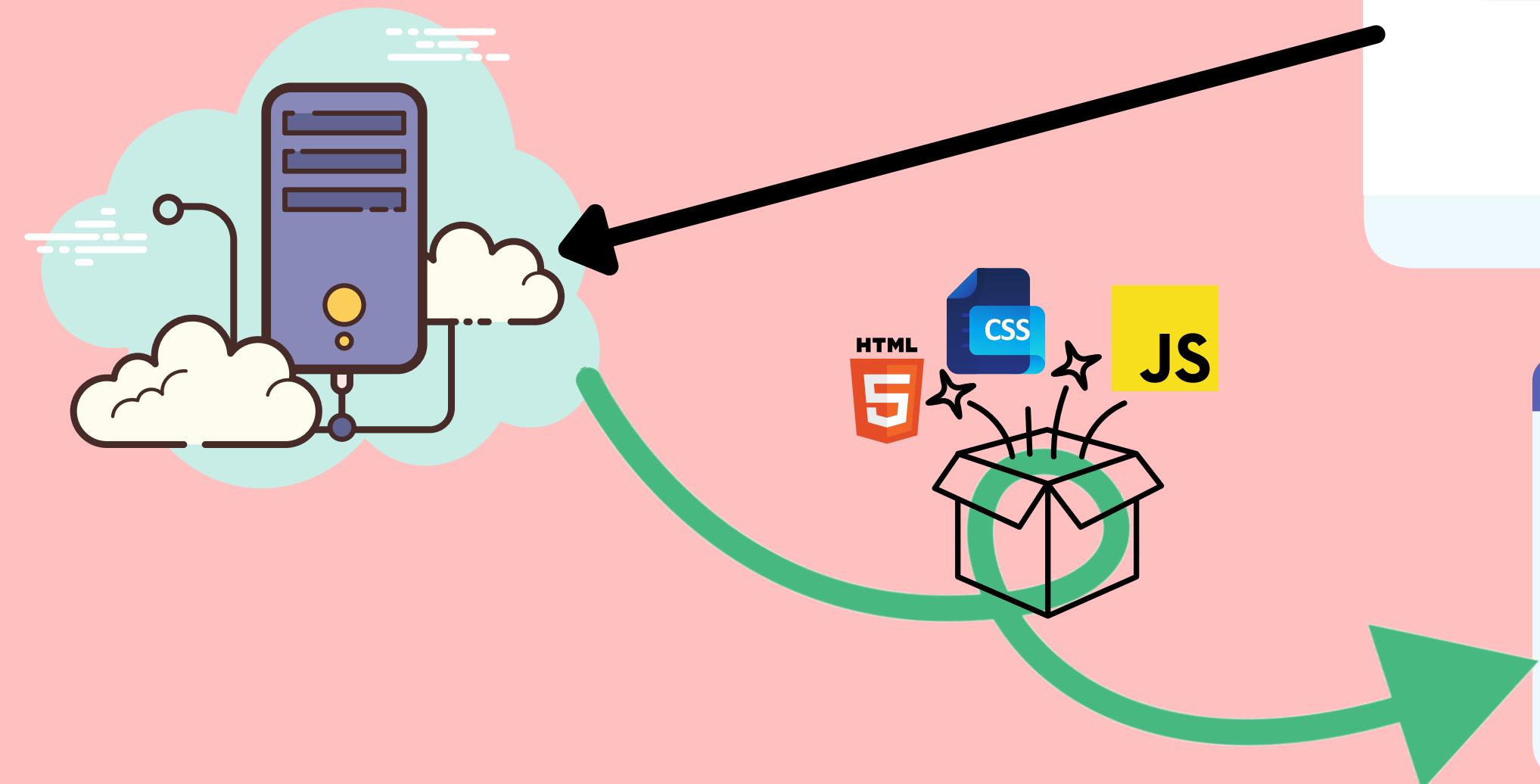


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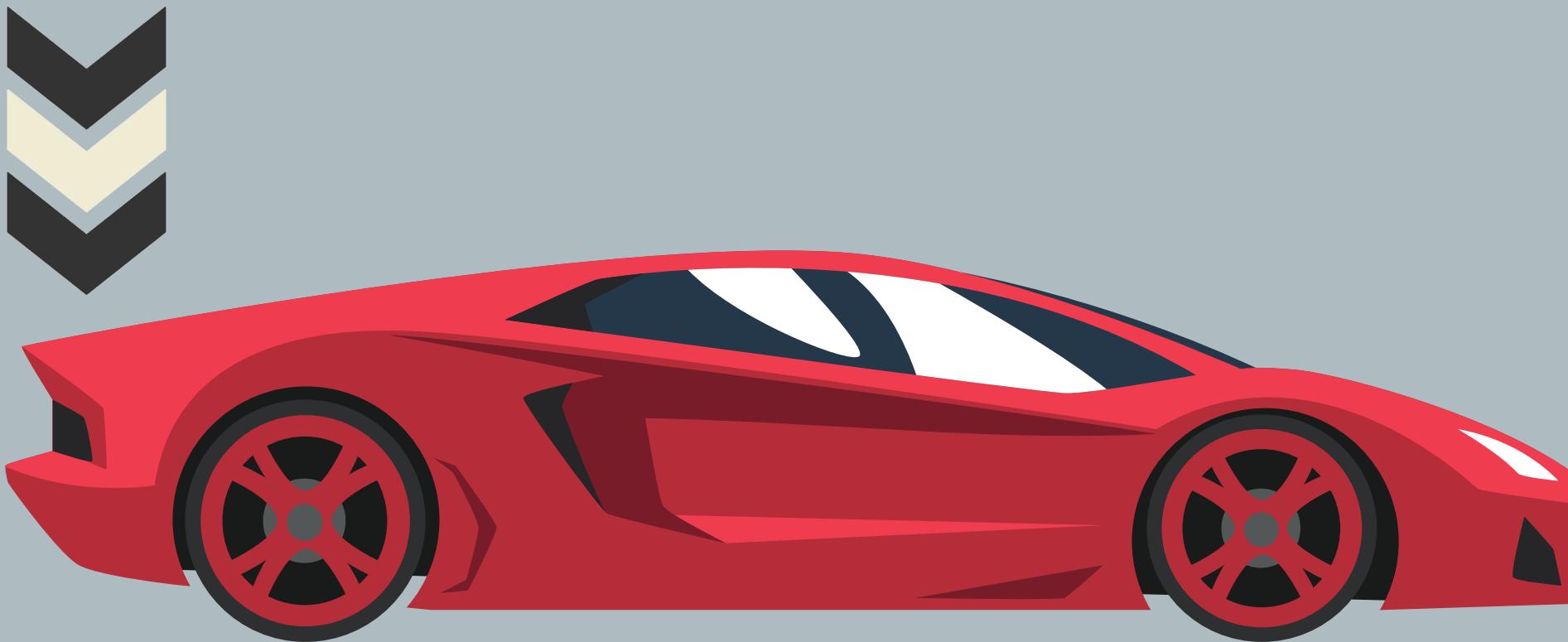




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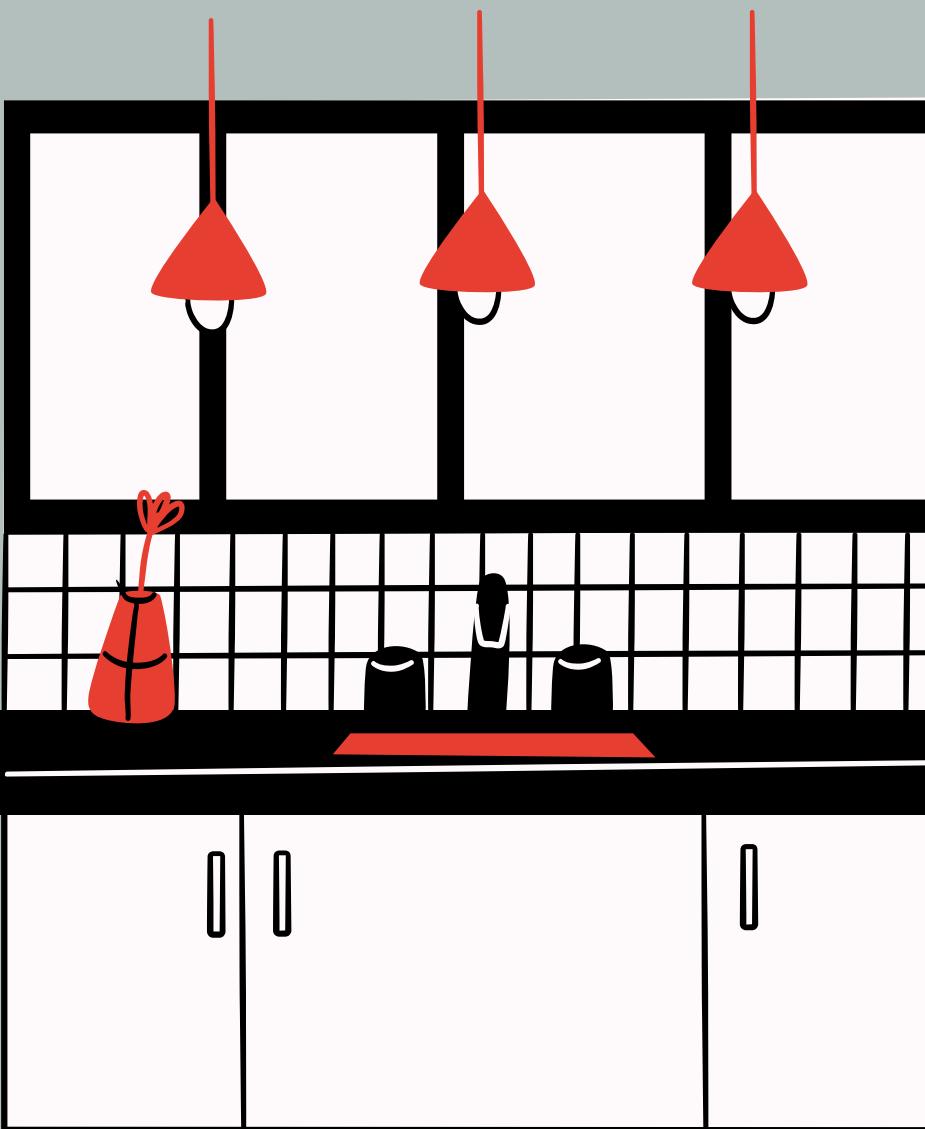


BACK-END



FRONT-END





BACK-END



FRONT-END



BACK-END

RECEIVES ORDER AND ASSEMBLES
PIZZA



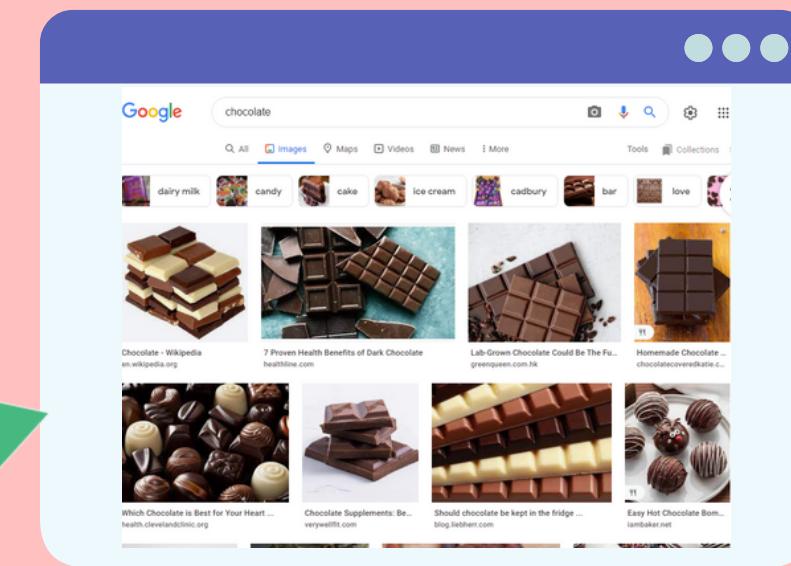
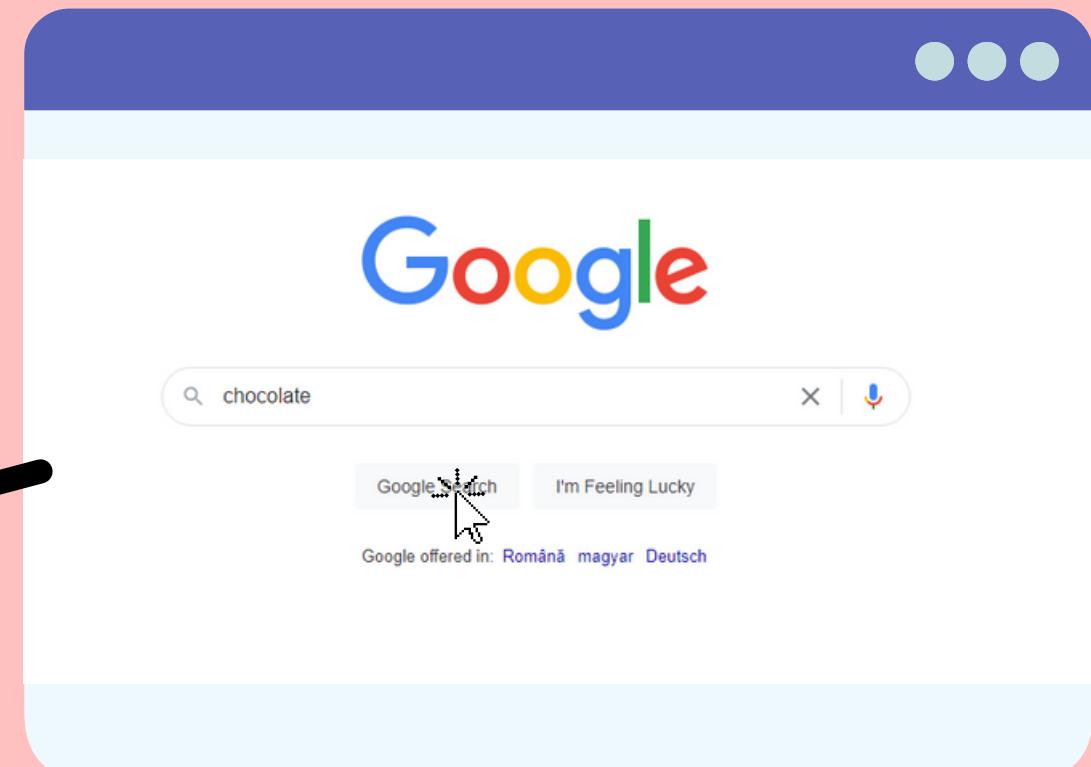
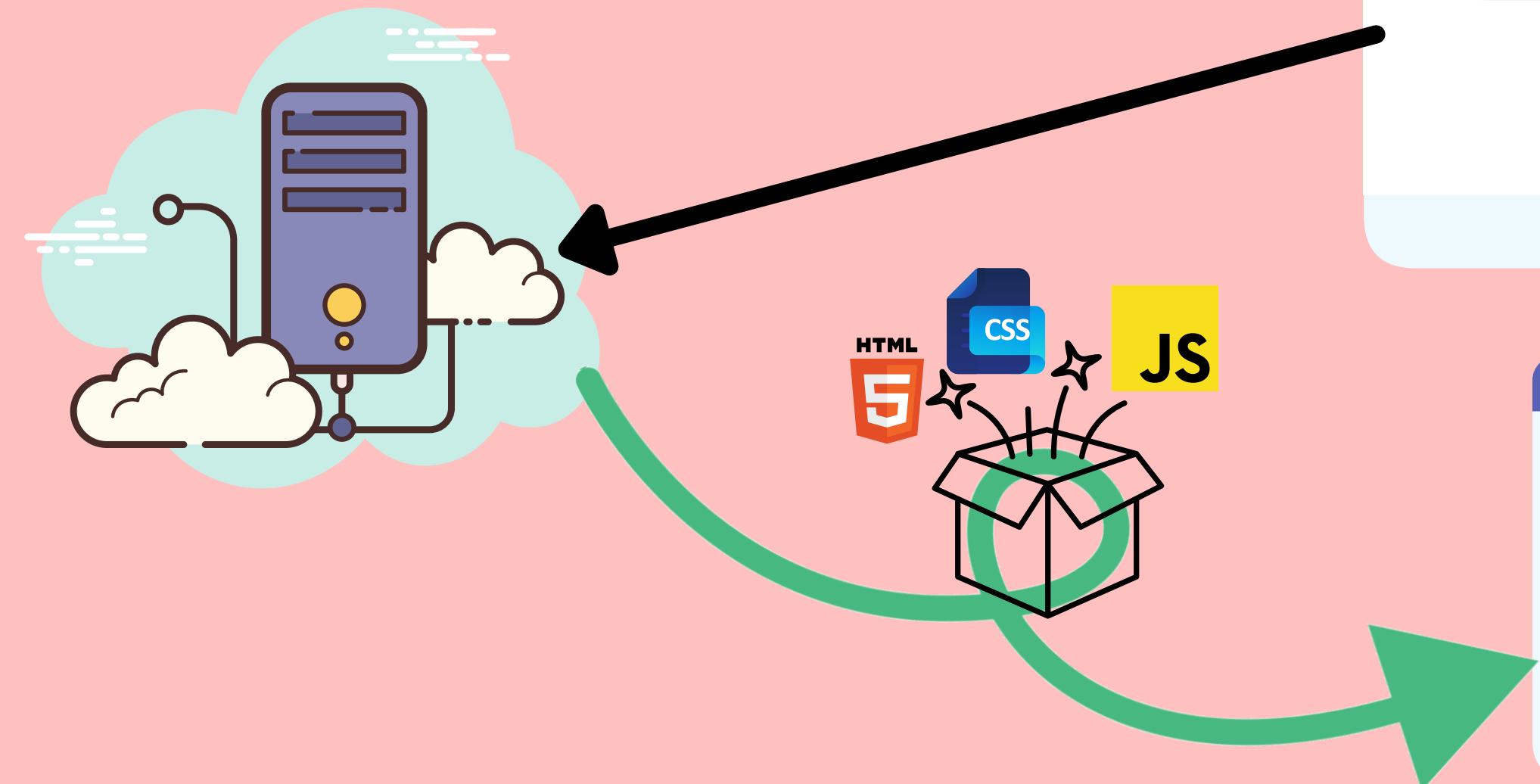
FRONT-END

YOU STILL NEED TO BAKE IT



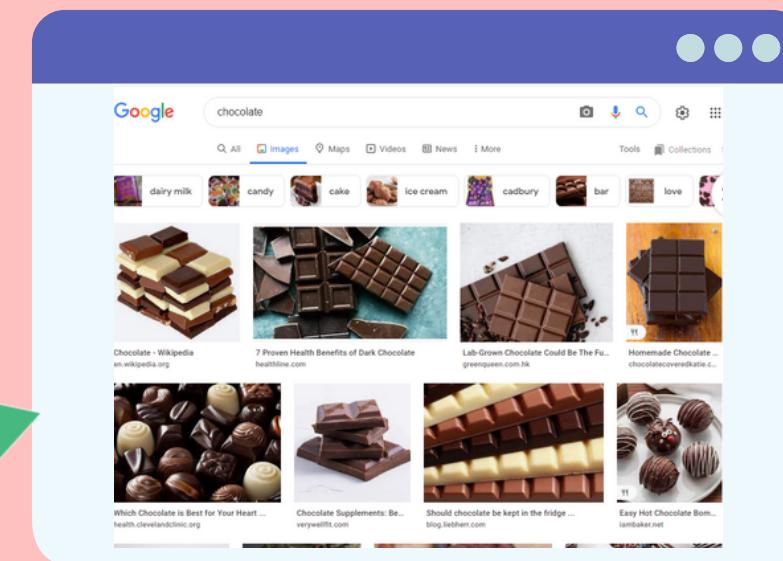
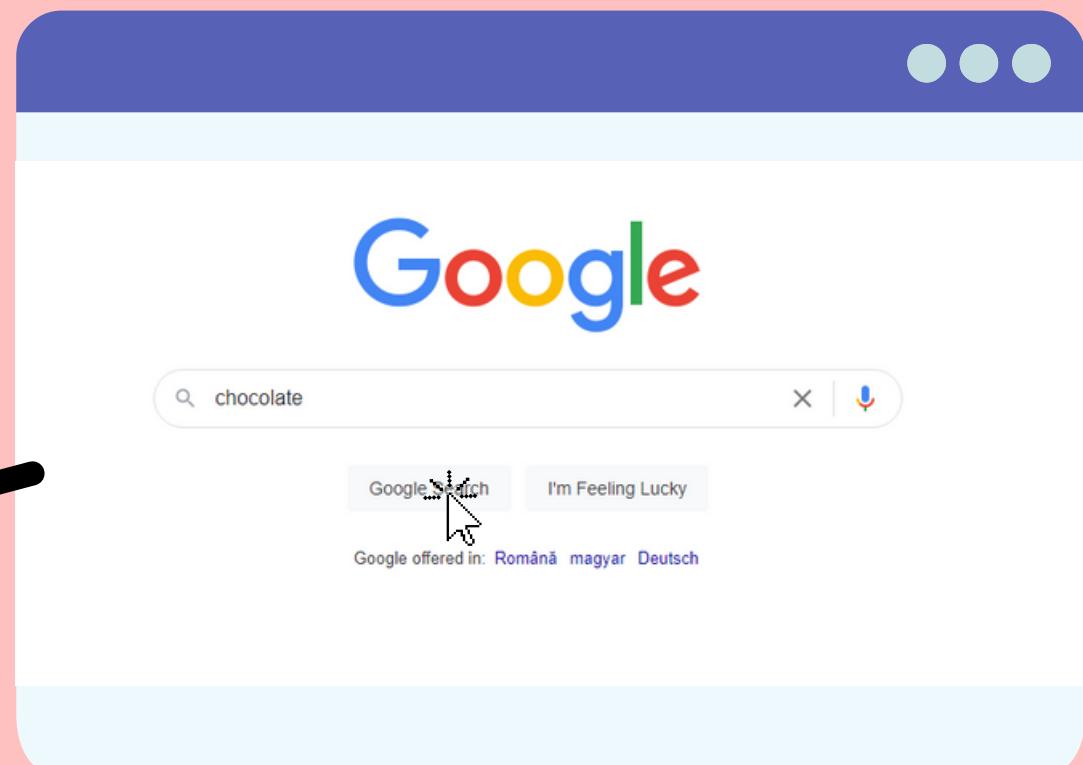
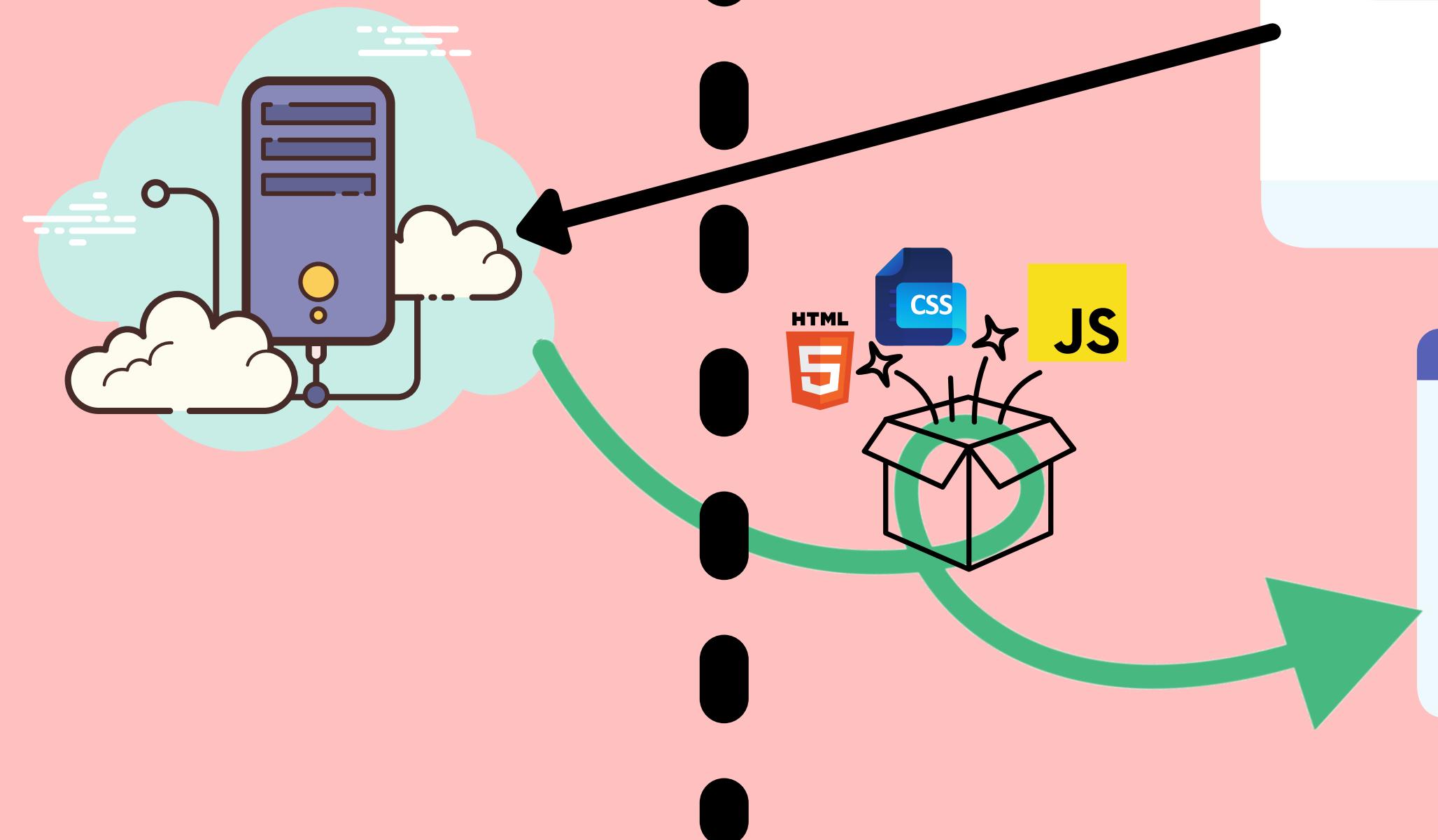


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google.com/search?q=chocolate





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THE ----- CSS - adjectives
BLUE -----
DINO ----- HTML - nouns
SMILED ---- JS - verbs



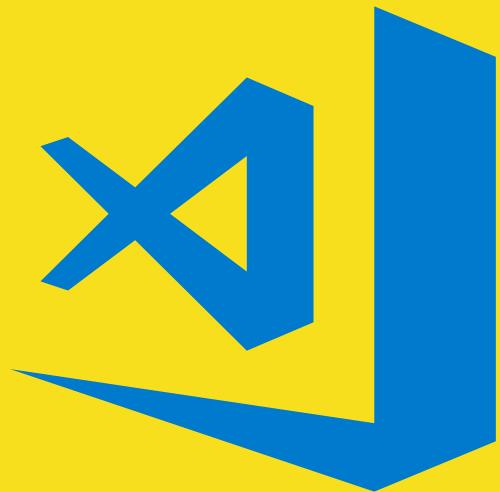


OUR TOOLS





Google Chrome
Web Browser



Visual Studio Code





Let's install them!