

**WEB BROWSERS AND WEB SERVERS**

# WEB BROWSERS AND WEB SERVERS

YOU WAKE UP IN THE MORNING AND  
WANT TO READ THE NEWSPAPER

YOU OPEN UP YOUR FAVORITE  
BROWSER

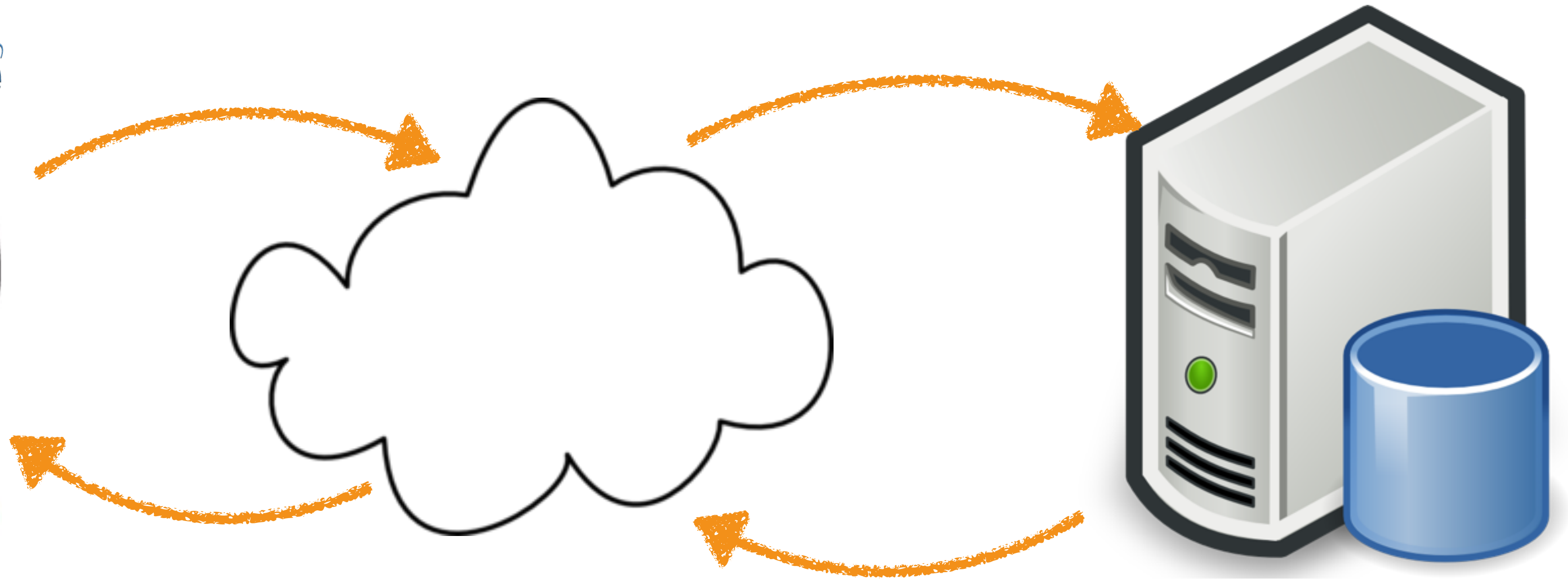
AND TYPE  
[WWW.NYTIMES.COM](http://WWW.NYTIMES.COM)



# WEB BROWSERS AND WEB SERVERS

[WWW.NYTIMES.COM](http://WWW.NYTIMES.COM)

REQUEST



RESPONSE

# WEB BROWSERS AND WEB SERVERS

## REQUEST

DO YOU HAVE **INFORMATION** FOR  
THE URL [WWW.NYTIMES.COM](http://WWW.NYTIMES.COM)?

**TEXT**  
**FORMATTING**  
**IMAGES**  
**VIDEOS...**

## RESPONSE

HUNT FOR THE RESOURCES MAKING  
UP THIS INFORMATION. FOUND IT?  
HERE IT IS!





# WEB BROWSERS AND WEB SERVERS

KNOWS HOW TO DISPLAY THE  
RESOURCES IN THE RIGHT WAY  
SUCH THAT IT'S UNDERSTOOD BY  
HUMANS



KNOWS HOW TO RETRIEVE THE  
RIGHT RESOURCES AND "SERVE"  
IT TO ANYONE WHO ASKS FOR IT



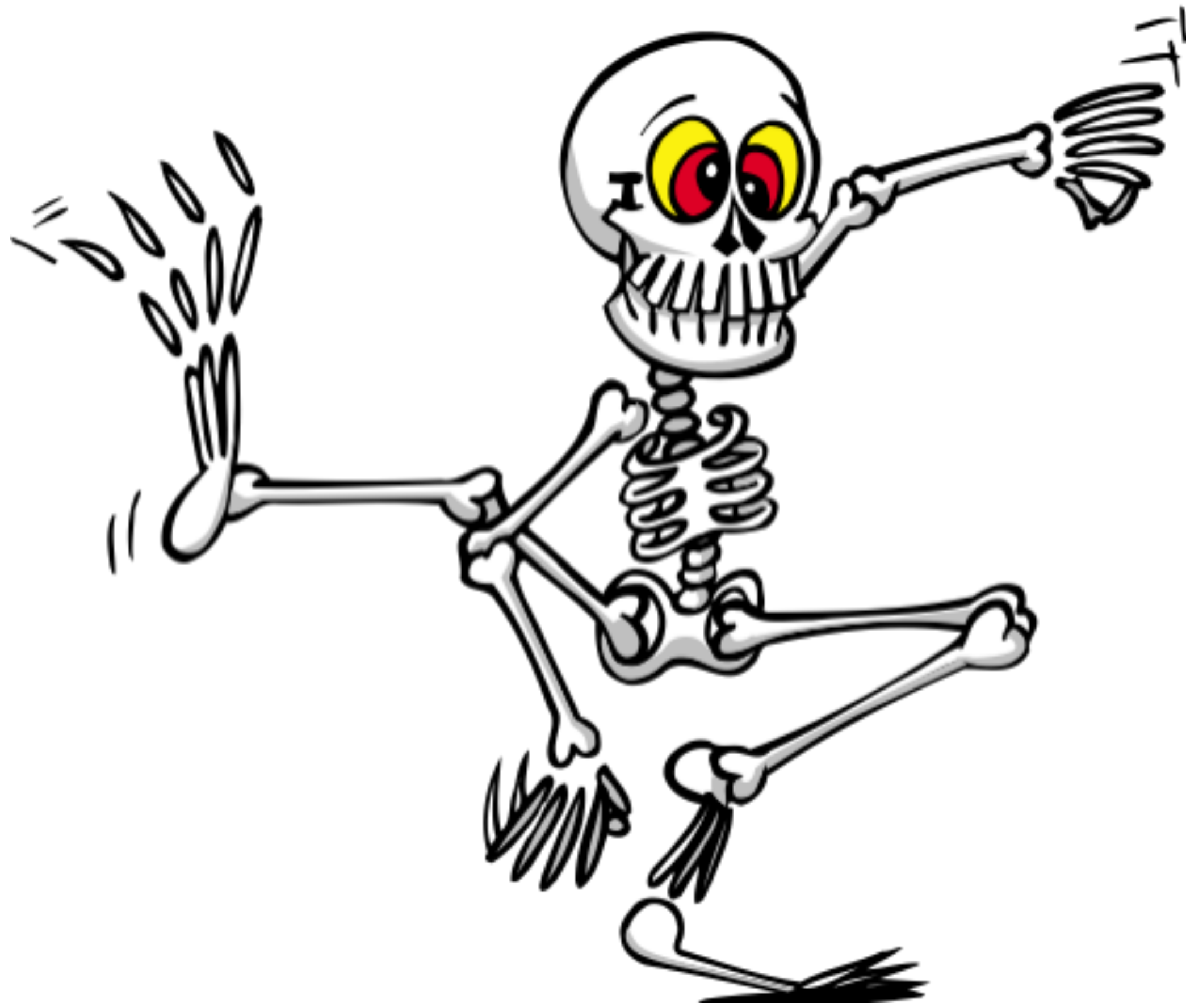


**SO HOW DO THESE BROWSERS KNOW  
WHAT TO DISPLAY?**

**THE BROWSER KNOWS  
HOW TO INTERPRET HTML,  
CSS AND JAVASCRIPT**

# HTML AND CSS

# HTML AND CSS



HTML IS THE SKELETON  
OF YOUR WEBPAGE

IT SPECIFIES **CONTENT**  
AND **STRUCTURE** OF  
WHAT YOUR WEBPAGE  
WILL FINALLY LOOK LIKE



# HTML AND CSS

HTML IS THE SKELETON  
OF YOUR WEBPAGE

HOWEVER FOR THIS SKELETON  
TO LOOK HUMAN WE NEED  
MORE THAN THAT



IT SPECIFIES **CONTENT**  
AND **STRUCTURE** OF  
WHAT YOUR WEBPAGE  
WILL FINALLY LOOK LIKE

WE NEED **SKIN** OVER  
THE STRUCTURE

# HTML AND CSS

WE NEED **SKIN** OVER  
THE STRUCTURE



AND THIS IS  
WHAT CSS DOES!

IT SPECIFIES THE  
**LOOK AND FEEL**  
OF A WEB PAGE

# MY FIRST HTML PAGE!

ERRR... WHERE DO I  
WRITE HTML?

I DON'T KNOW ANYTHING  
ABOUT SETTING UP A WEB  
SERVER!

FOR THE PURPOSES OF LEARNING  
HTML AND CSS YOU CAN JUST  
USE YOUR **OWN MACHINE**



# MY FIRST HTML PAGE!

SOMEWHERE IN YOUR MACHINE CREATE A  
FILE WITH THE `.html` EXTENSION

e.g. on my MAC machine I just used the  
`~/HtmlAndCss/` directory

AND CREATED AN `index.html` FILE

JUST OPEN THIS FILE IN YOUR FAVORITE BROWSER!

`file:///Users/jananiravi/HtmlAndCss/index.html`



# MY FIRST HTML PAGE!

SOMEWHERE IN YOUR MACHINE CREATE A  
FILE WITH THE `.html` EXTENSION

e.g. on my MAC machine I just used the  
`~/HtmlAndCss/` directory

AND CREATED AN `index.html` FILE

JUST OPEN THIS FILE IN YOUR FAVORITE BROWSER!

`file:///Users/jananiravi/HtmlAndCss/index.html`

# MY FIRST HTML PAGE!

SOMEWHERE IN YOUR MACHINE CREATE A  
FILE WITH THE `.html` EXTENSION

e.g. on my MAC machine I just used the  
`~/HtmlAndCss/` directory

AND CREATED AN `index.html` FILE

JUST OPEN THIS FILE IN YOUR FAVORITE BROWSER!

`file:///Users/jananiravi/HtmlAndCss/index.html`

# MY FIRST HTML PAGE!

JUST OPEN THIS FILE IN YOUR FAVORITE BROWSER!

`file:///Users/jananiravi/HtmlAndCss/index.html`

YOU CAN JUST BROWSE TO THIS FILE ON YOUR MACHINE AND  
DOUBLE-CLICK IT - IT WILL OPEN USING YOUR DEFAULT  
BROWSER

EDIT THIS FILE USING ANY EDITOR YOU ARE  
COMFORTABLE WITH! `TEXTEDIT, EMACS, VI, PICO`

# MY FIRST HTML PAGE!

IF YOU ARE ON A WINDOWS  
MACHINE, THE PROCESS IS THE SAME