

# Before we start

## 1. Connect to WIFI

WIFI: TQ

WW: gracehopper

## 2. Download the following programs

- Sublime Text
- Google Chrome

## 3. Download this package

[www.tjinauyeung.nl/shesharp/lesson.zip](http://www.tjinauyeung.nl/shesharp/lesson.zip)

# Hour of Code

HTML / CSS

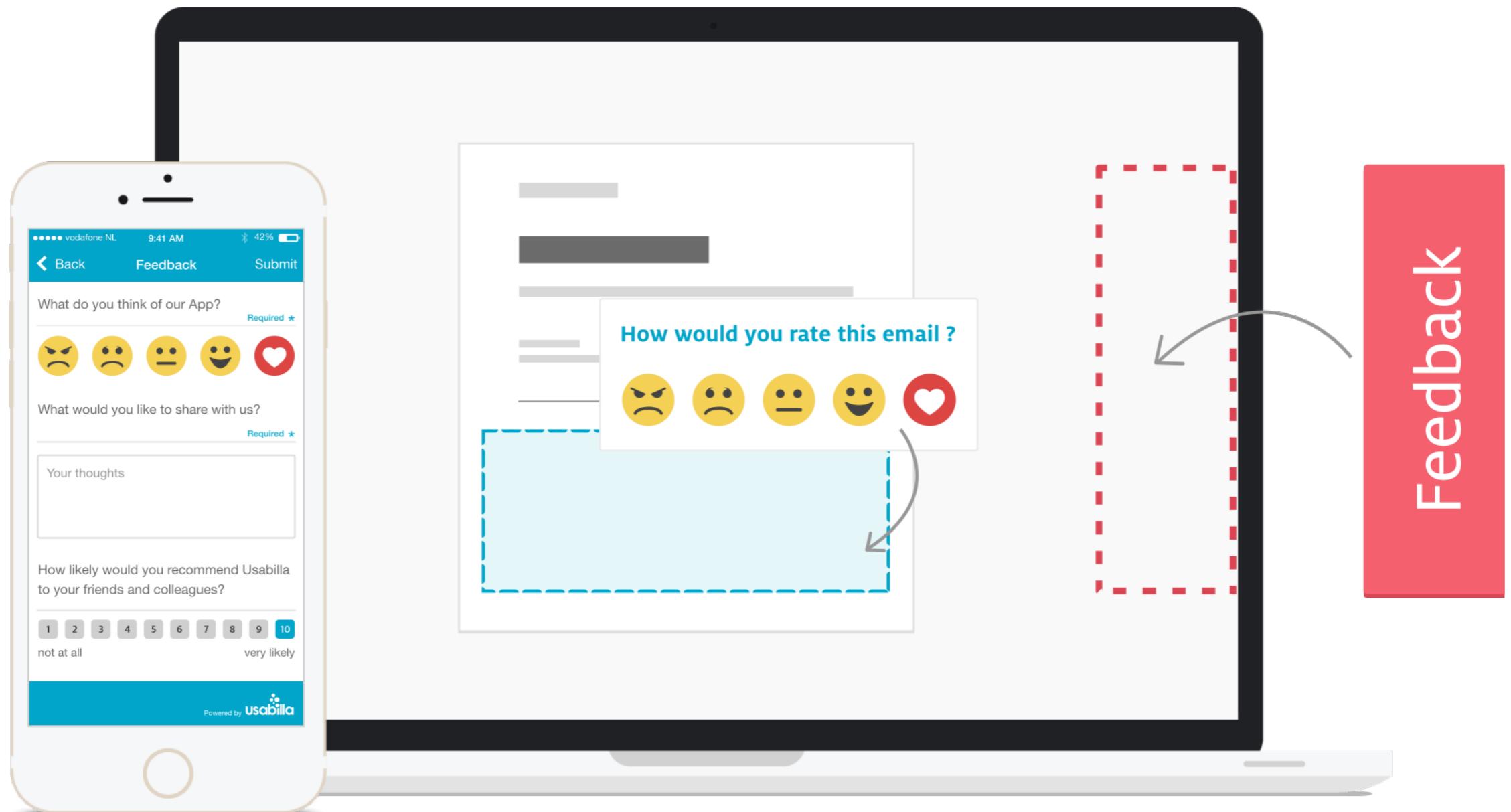
:{)  
Codaisseur

# About Me





usabilla



# Life as a developer...



**carpenter**

# design



playing  
with legos





**Catching bugs with  
your friends**

- ⚠ 'window.webkitStorageInfo' is deprecated. Please use 'navigator.webkitTemporaryStorage' or 'navigator.webkitPersistentStorage' instead. [start.js:1](#)
- ⚠ 'webkitIndexedDB' is deprecated. Please use 'indexedDB' instead. [start.js:1](#)
- ✖ Refused to display [about:blank:1](#) 'https://portal.office.com/SuiteServiceProxy.aspx?Silent=1' in a frame because it set 'X-Frame-Options' to 'SAMEORIGIN'.
- ✖ Failed to execute 'postMessage' on 'DOMWindow': The target origin provided ('https://portal.office.com') does not match the recipient window's origin ('null').
- ✖ Refused to display [about:blank:1](#) 'https://portal.office.com/SuiteServiceProxy.aspx?Silent=1' in a frame because it set 'X-Frame-Options' to 'SAMEORIGIN'.
- ✖ Failed to execute 'postMessage' on 'DOMWindow': The target origin provided ('https://portal.office.com') does not match the recipient window's origin ('null').
- ⚠ 'Performance.webkitClearResourceTimings' is deprecated. Please use 'Performance.clearResourceTimings' instead. [sp.core.js:2](#)
- ✖ Uncaught TypeError: Cannot set property 'innerHTML' of null [sp.ui.relateditems.js:2](#)
- ✖ Uncaught RangeError: Maximum call stack size exceeded [init.js:1](#)
- ✖ Uncaught TypeError: Cannot read property 'addEventListener' of null [sp.ui.relateditems.js:2](#)
- ✖ Uncaught RangeError: Maximum call stack size exceeded [init.js:1](#)

⚠ 'window.webkitStorageInfo' is deprecated. Please use [start.js:1](#)  
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instead.

⚠ 'webkitIndexedDB' is deprecated. Please use 'indexedDB' [start.js:1](#)  
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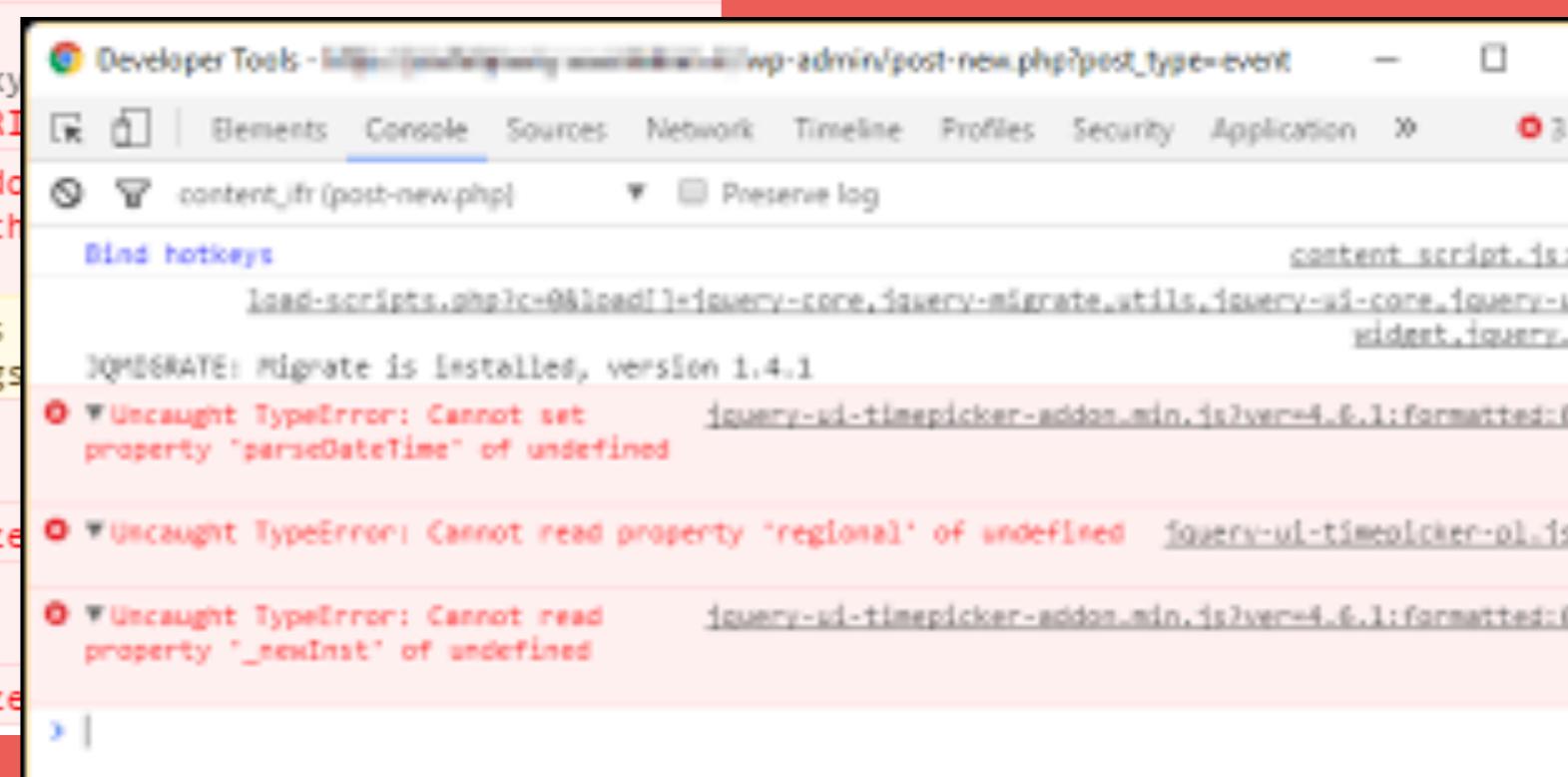
⚠ 'Performance.webkitClearResourceTimings' is  
Please use 'Performance.clearResourceTimings' [start.js:1](#)

✖ Uncaught TypeError: Cannot set property  
'innerHTML' of null [content\\_ifr\(post-new.php\):1](#)

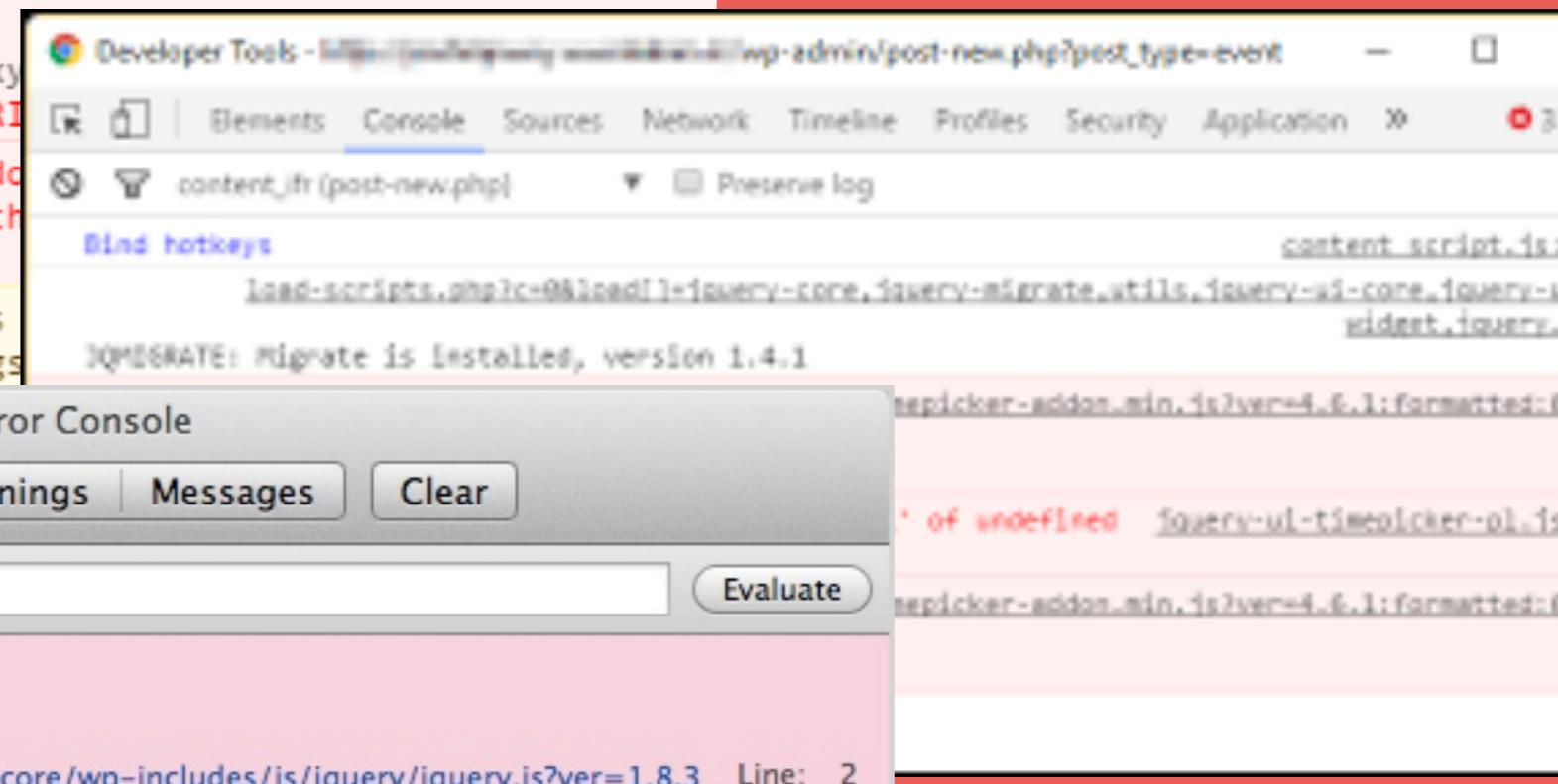
✖ Uncaught RangeError: Maximum call stack size exceeded [content\\_ifr\(post-new.php\):1](#)

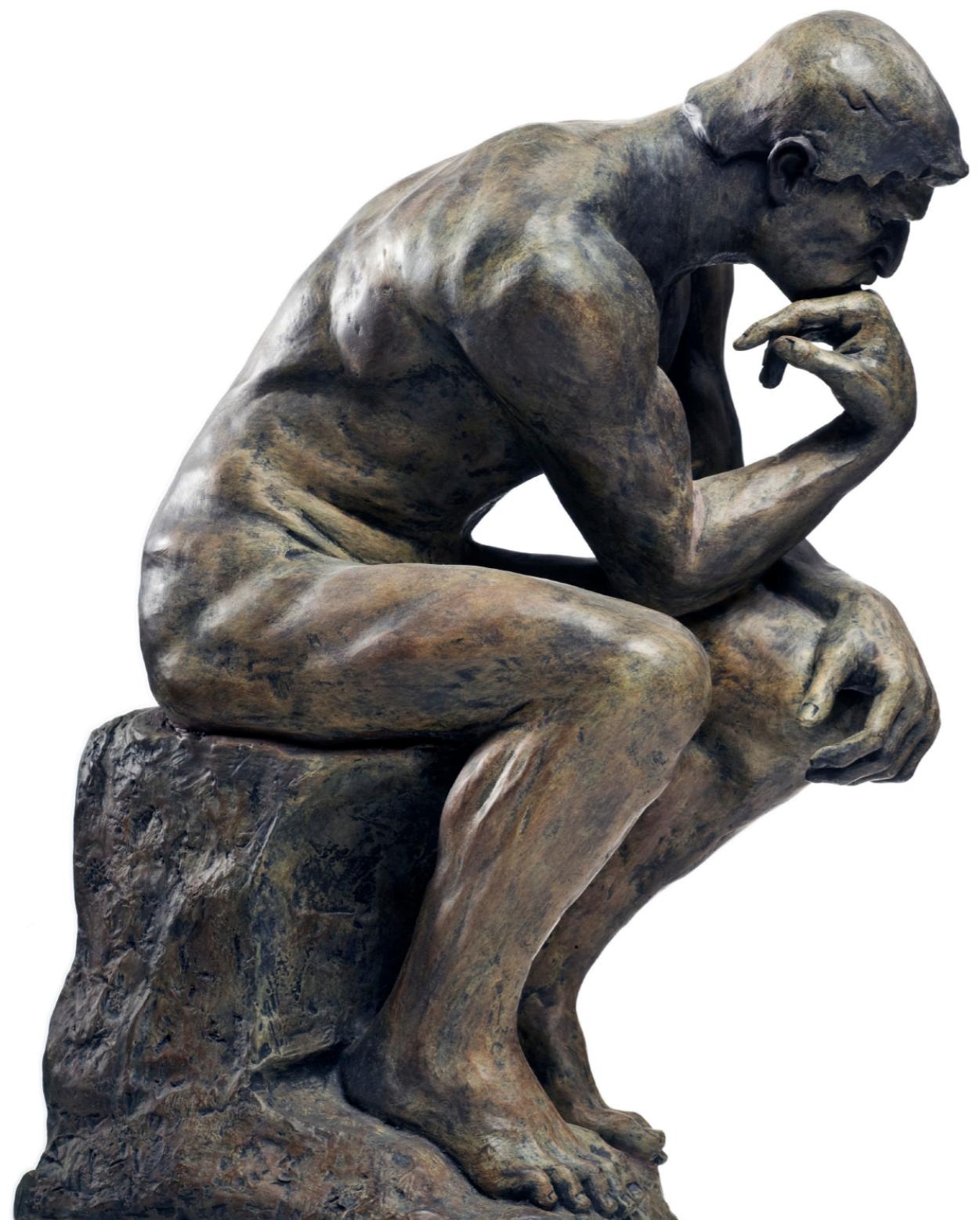
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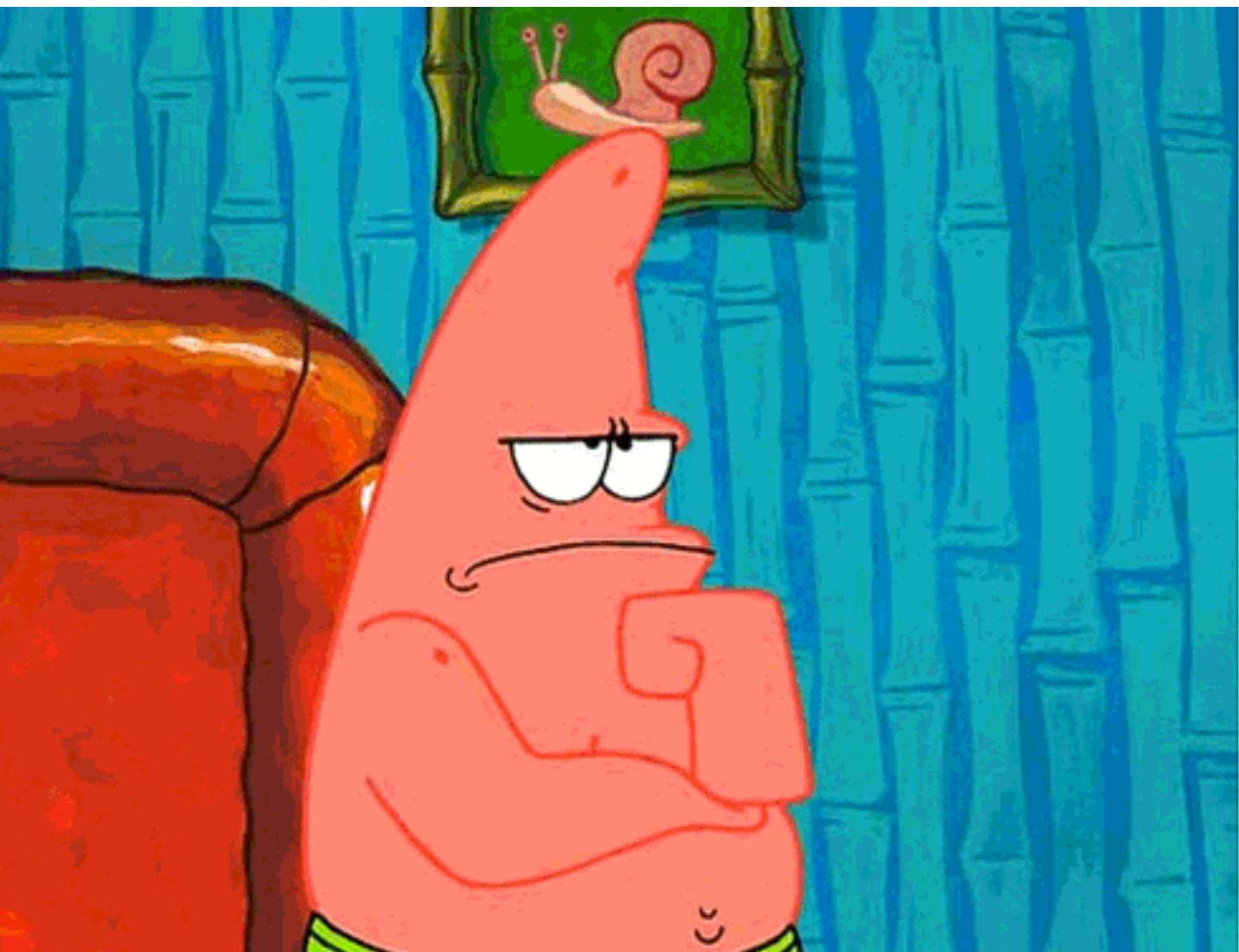




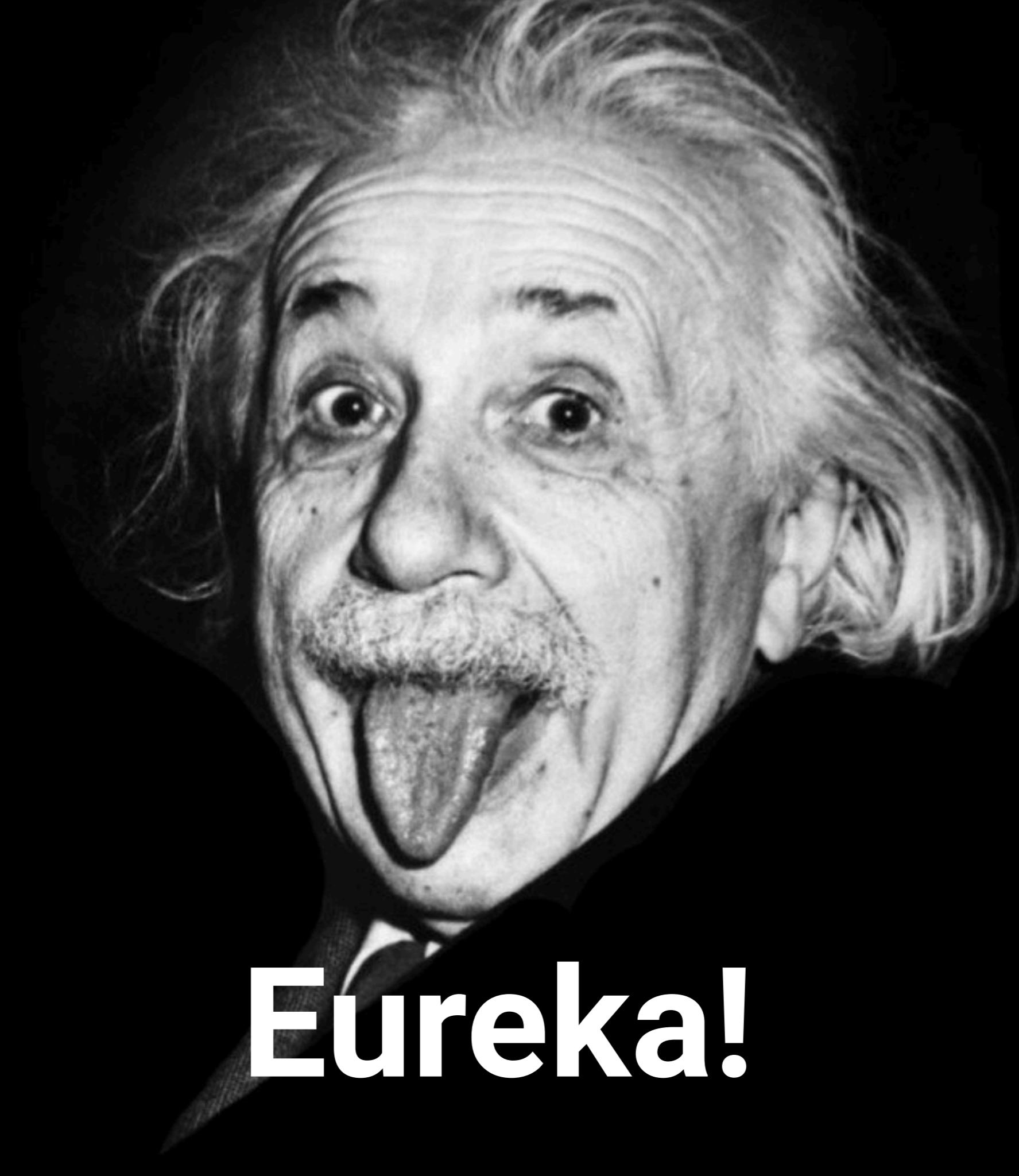
**Thinking.**



**Contemplation.**

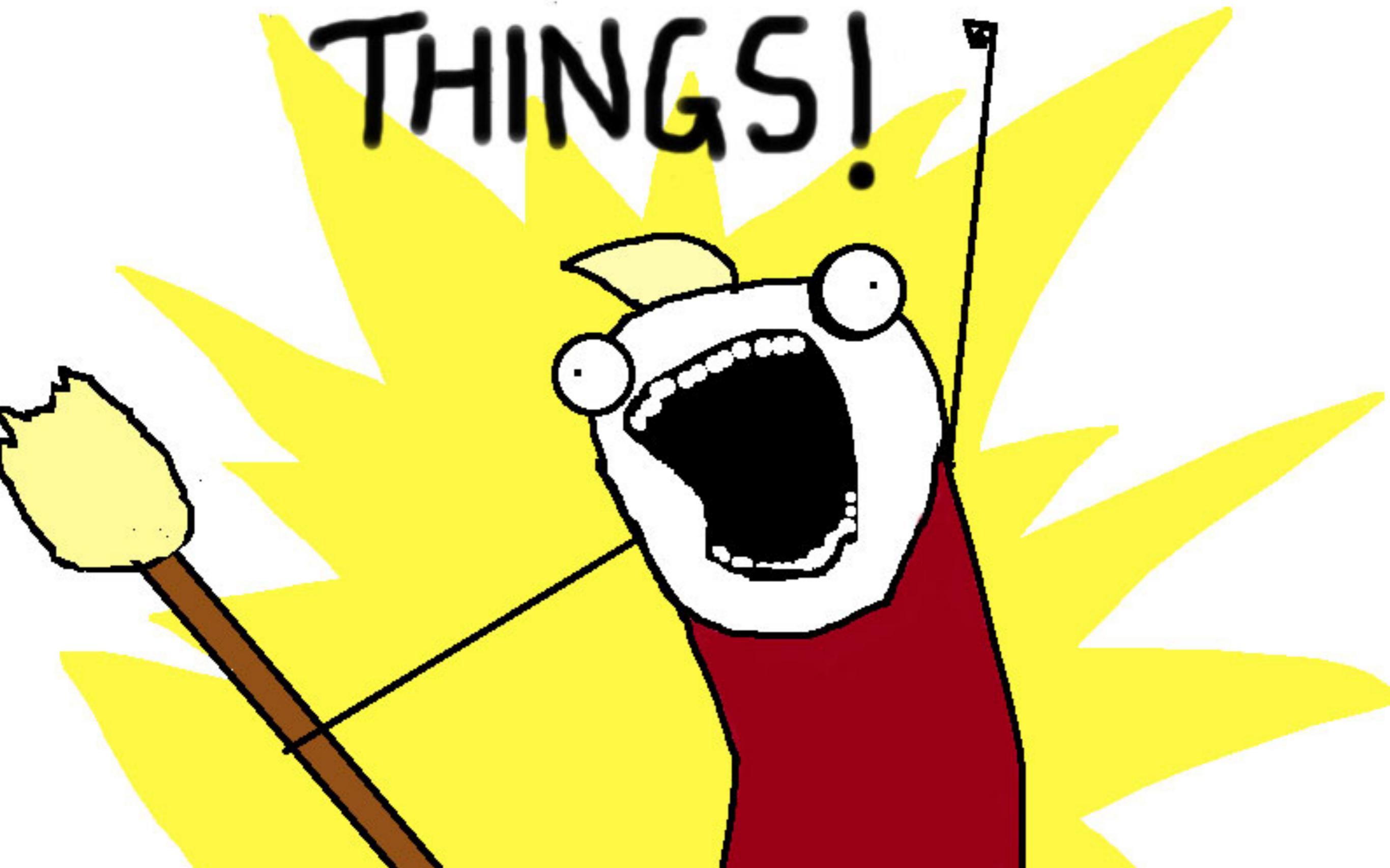


**I have no clue.**



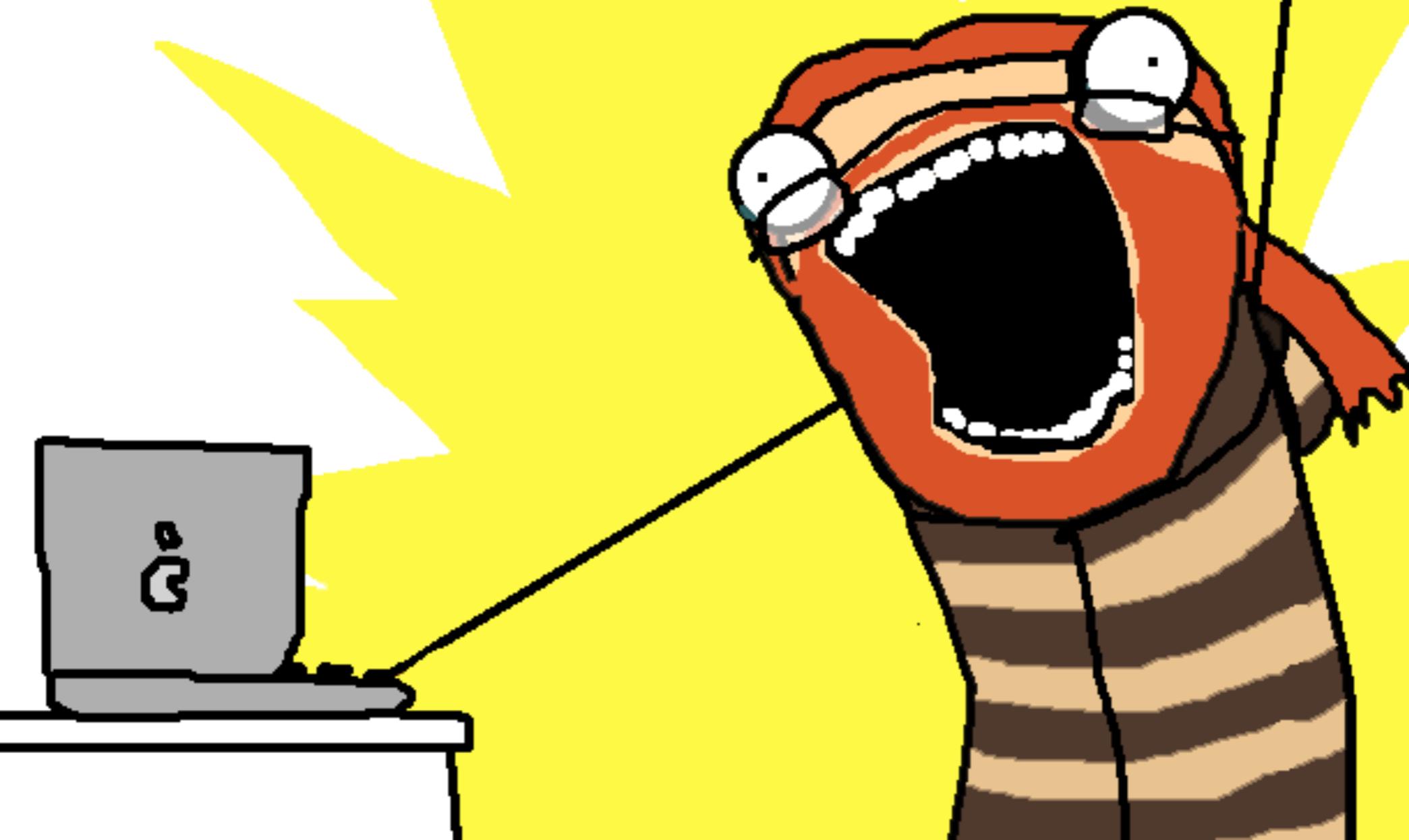
Eureka!

DO ALL THE  
THINGS!





# FIX ALL THE BUGS!





WINNER.

# Program

## HTML & CSS

# **Program**

## **HTML & CSS**

### **Build a landing page**

# **Program**

**HTML & CSS**

**Build a landing page  
(about bananas)**

- Benefits
- Facts
- Contact

## Bananas

**Sweet, healthy and comforting**

### Why They're awesome

---



It's great on toast. Preferably with peanutbutter.



Enjoy them in a big bowl of muesli.



Banana milkshakes.

### Did you know...

---

1. The word banana comes from the Arabic word "banan", meaning finger.
2. The banana plant is not a tree, it is the world's largest herb.
3. Bananas float in water, as do apples and watermelons.
4. Rubbing a banana peel on your forehead can help cure a headache.
5. You can use the inside of a banana peel to clean and polish leather shoes.
6. Bananas are the only fruit that contains the amino acid tryptophan plus vitamin B6. They help your body produce serotonin—a natural substance that alleviates depression.
7. Research shows that eating bananas may lower the risk of heart attacks and strokes, as well as decrease the risk of getting some cancers.

### Want to know more?

---

Contact me at  
[lover@bananas.nl](mailto:lover@bananas.nl)

Made by a banana fan.

# from this..

..to this.

The website features a header with the word 'bananas' and navigation links for 'benefits', 'banana facts', and 'contact me'. The main title 'Bananas' is prominently displayed, with the subtitle 'Sweet, healthy and comforting.' Below this is a section titled 'Why They're Awesome' with three icons: a sandwich, a bowl, and a banana smoothie. Text next to these icons includes: 'It's great on toast. With peanutbutter.', 'Enjoy them in a big bowl of muesli.', and 'Banana milkshakes. Nuff said.' A 'Did you know..' section lists several facts about bananas. The footer contains a 'Want to know more?' section with contact information and a note about banana consumption during site creation.

bananas

benefits banana facts contact me

# Bananas

Sweet, healthy and comforting.

## Why They're Awesome

It's great on toast. With peanutbutter.

Enjoy them in a big bowl of muesli.

Banana milkshakes. Nuff said.

### Did you know..

- The word banana comes from the Arabic word "banan", meaning finger.
- The banana plant is not a tree, it is the world's largest herb.
- Bananas float in water, as do apples and watermelons.
- The word banana comes from the Arabic word "banan", meaning finger.
- The banana plant is not a tree, it is the world's largest herb.

### Want to know more?

Contact me at  
lover@bananas.nl

a total of four bananas were eaten during the making of this site.





# Installation

## 1. Connect to WIFI

WIFI: TQ

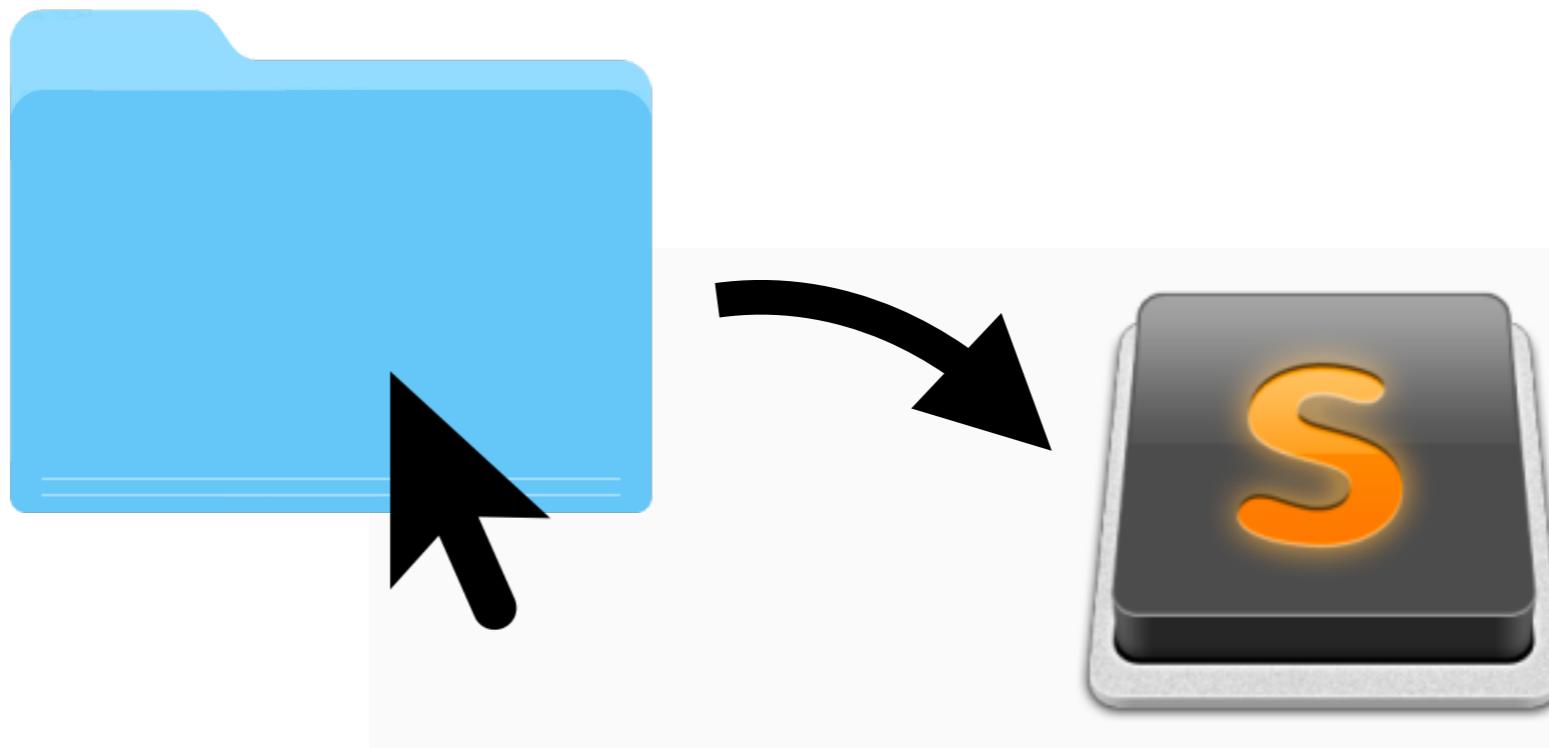
WW: gracehopper

## 2. Download the following programs

- Sublime Text
- Google Chrome

# Setting up

- Download [www.tjinauyeung.nl/shesharp/lesson.zip](http://www.tjinauyeung.nl/shesharp/lesson.zip) and unzip it on your desktop.
- Drag the folder **onto** your Sublime application.



# HTML

# What is HTML?

- Hypertext Markup Language
- **Structure** of your webpage



# Structure

"All the News  
That's Fit to Print"

# The New York Times

VOL. CLXIV . . . No. 56,654

© 2014 The New York Times

NEW YORK, TUESDAY, OCTOBER 14, 2014

Late

Edition  
Today, clouds and sunny, warmer, humid, high 73. Tonight, mostly cloudy, areas of drizzle, low 66. Tomorrow, variably cloudy, a shower, high 76. Weather map, Page B16.

\$2.50

## At the Vatican, A Shift in Tone Toward Gays

### Bishops' Report Signals Greater Tolerance

By ELISABETTA POVOLEDO  
and LAURIE GOODSTEIN

VATICAN CITY — In a marked shift in tone likely to be discussed in parishes around the world, an assembly of Roman Catholic bishops convened by Pope Francis at the Vatican released a preliminary document on Monday calling for the church to welcome and accept gay people, unmarried couples and those who have divorced, as well as the children of these less traditional families.

The bishops' report, issued



## C.D.C. RETHINKING METHODS TO STOP SPREAD OF EBOLA

### AFTER NURSE INFECTED

#### Adequacy of Protocols Is Studied — A Bigger Group Faces Risk

This article is by Manny Fernandez, Sabrina Tavernise and Richard Fausset.

DALLAS — The transmission of the Ebola virus to a nurse here forced the Centers for Disease Control and Prevention on Monday to reconsider its approach to

Lives

## The Visitor

In the dead of night, a professor confronts forces he can't explain.

As told to Thomas Fuller

A year ago, I was teaching in eastern Thailand, and the dean told me I could have free housing on campus. I went to visit the house. There was a professor living there who was planning to move out. "You won't be alone," he said.

I didn't know what he meant. When I walked around, there were pictures of monks, small Buddha statues and amulets hanging from the walls. The house was situated on a potholed road on the edge of campus in what can only be described as jungle. It was so humid there that your shirt stuck to your skin. I decided to move in anyway. My salary was low — \$460 a month — and the house was free.

I loaded my stuff into the back of a pickup truck — books, computer, clothing and a bed — and moved into a bedroom on the second floor. Another professor moved in across the hall; his specialty was political economy. The electricity in the house wasn't very reliable. When the power went out, we lit candles or used our mobile phones to see. The floors creaked as you walked.

But mostly, it was a house like any other. Then one morning, my housemate approached me. "Last night a ghost jumped into my body," he said.

I didn't believe him. My housemate offered me an amulet for my protection. In my entire life, I have never worn any kind of amulet. I was born a Buddhist, but I don't believe in any religion — and I never believed in the supernatural. A Marxist should not believe in ghosts.

A month later, I went to the funeral of a distant cousin and then hiking at Khitchakut Mountain, which is revered by Thai Buddhists. As I said, I'm not religious. I just wanted to see it. The next day, I returned to my house. Just as I was about to go to sleep, I felt something pulling my toes.

At first, I thought my housemate was playing a joke on me. But it was the end of the semester, and he had already left. I was all alone. I tried to reason about the situation. Maybe it was a cramp in my leg. I was about to go back to sleep when I had a definite feeling that someone was standing next to me. I opened my eyes and saw a very clear shadow of a person. I sat up and turned on the light. No one was there.

I walked downstairs and opened the door. The stray dogs outside didn't bark as they always do when you open the

door. I kept thinking, I don't believe in ghosts. I went to bed around midnight. The next day, I proctored exams and then went back to my house. I kept telling myself that everything was normal. But when I was about to go to sleep, something pulled my right hand, very hard. I turned on the light and put on some heavy metal — Metallica, Slayer, Megadeth. I thought that maybe the ghost would dislike this music. I kept the music going all night.

In the morning, I went to work, but I didn't tell anyone about the ghosts. I didn't want anyone to think I was crazy. That night, when I was about to go to sleep, I heard the sound of footsteps in the room next door. Maybe it was a thief, I told myself. The only weapon I could find was a screwdriver. I walked quietly, poised to attack, and opened the door quickly. No one was there.

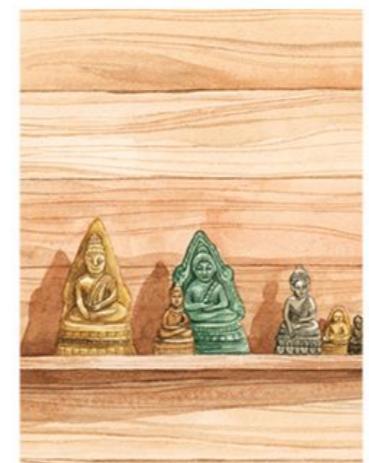
That night, I dreamed about a woman and a child. The woman said, "I have followed you since the funeral." She said that she liked me, and that she wanted me to transfer some of my good karma to her. I woke up and saw a shadow and heard someone walking. I said, "What do you want from me?" I felt as if I were going crazy. All night, I played computer games.

My friends ridiculed me. "How could a Marxist see a ghost?" It became a running joke.

I decided to follow a Thai tradition. I drove to a temple about 13 miles from my house. I brought Buddhist offerings. When I met the abbot, he smiled and said, "Something happened to you, right?" I had never been to that temple. How did he know?

I told the whole story to him, but I didn't say anything about my dream. The abbot chanted prayers and gave me holy water. I didn't know any of these rituals because I rarely went to Buddhist temples. He asked me, "Where did you go recently?" I told him about the funeral and the hiking. The ghost had followed me since the funeral, the abbot said, and was still following me.

The ghost never came back. Not long after, I quit my job at the university, but it wasn't because of the house. Marxist scholars believe in historical materialism, in science and tangible things. But my friends love to tease me: "Are you still running from your ghosts?" ♦



Name: Pakinol  
Chomkruobmun  
Age: 31  
Location: Chonburi,  
Thailand

About: Pakinol  
Chomkruobmun is  
a part-time professor  
in political science  
and a former student  
activist. He plans to  
open a restaurant  
in Chonburi. He told  
this story to Thomas  
Fuller in Thai.

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in Chonburi. He told  
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# Structure of website

```
<!DOCTYPE html>
<html>
  <head>
    <title>Bananas</title>
  </head>
  <body>
    <header>
      <h1>Bananas</h1>
      <h2>Delicious, nutricous and healthy.</h2>
    </header>
    <section>
      <h2>Did you know..</h2>
      <ul>
        <li>Bananas are so awesome I build a site for it.</li>
        <li>Bananas float in water, as do apples and watermelons.</li>
      </ul>
    </section>
    <footer>
      Made in Amsterdam.
    </footer>
  </body>
</html>
```

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  </body>
</html>
```

**Tells the browser  
that it's a HTML  
document**

# Structure of website

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    </footer>
  </body>
</html>  HTML closing tag
```

# Structure of website

1. An **html element** is everything from opening to closing tag.

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    </section>
    <footer>
      Made in Amsterdam.
    </footer>
  </body>
</html>  HTML closing tag
```

# Structure of website

1. An **html element** is everything from opening to closing tag.
2. Elements can contain

**other elements.**

# Structure of website

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    </footer>
  </body>
</html>
```

the head element contain  
all the meta info



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```

# Structure of website

the body element contains all the elements that are visible on the page.

# Bananas

**Delicious, nutricous and healthy.**

## Did you know..

- Bananas are so awesome I build a site for it.
- Bananas float in water, as do apples and watermelons.

Made in Amsterdam.

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```

# Syntax

```

```

# Syntax

```

```

Attribute



# Syntax

```

```

Attribute

Attributes provide additional  
information about the html element.

# Multiple attributes



```

```

Multiple attributes are separated by a space.

# HTML elements are just boxes.

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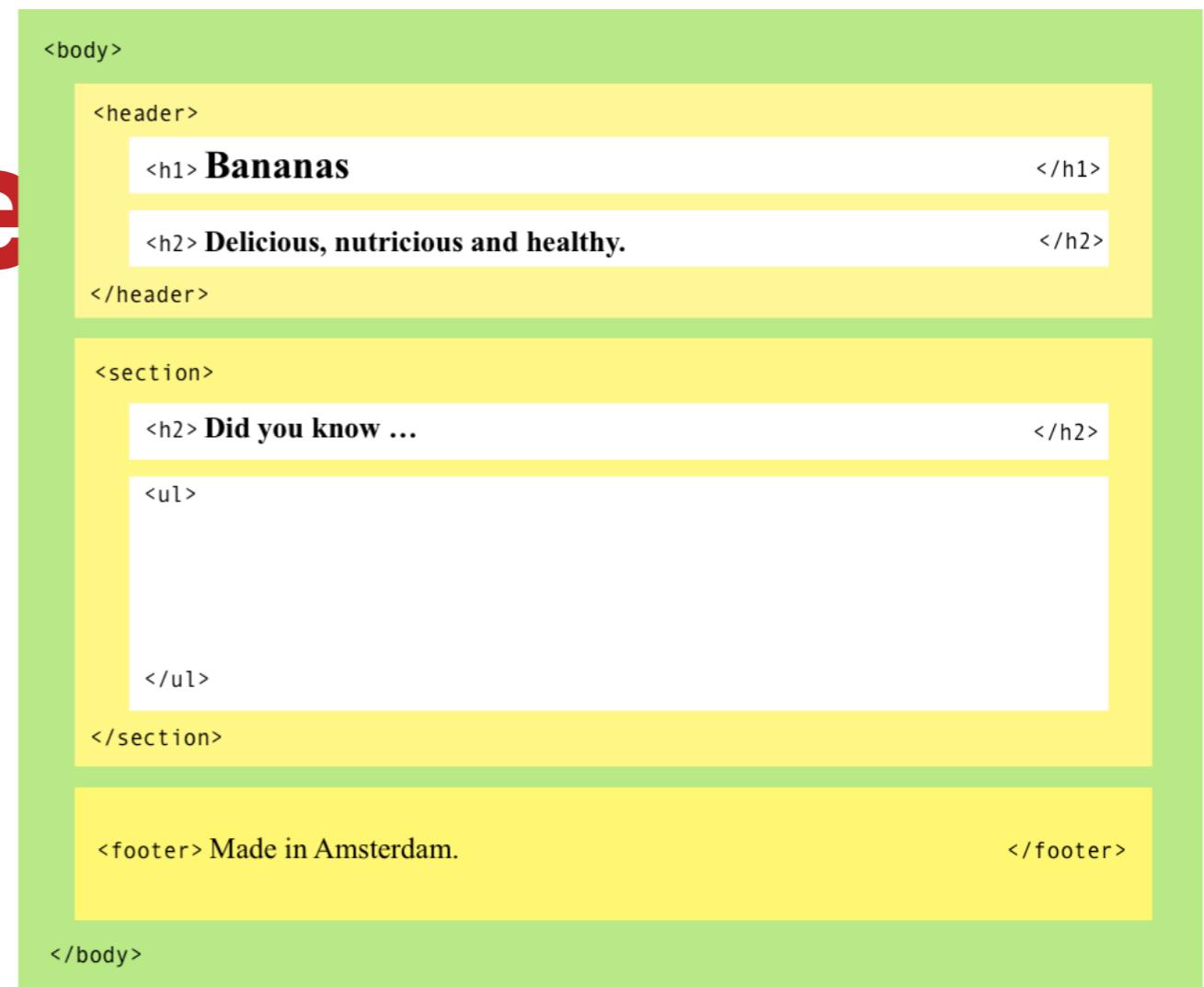
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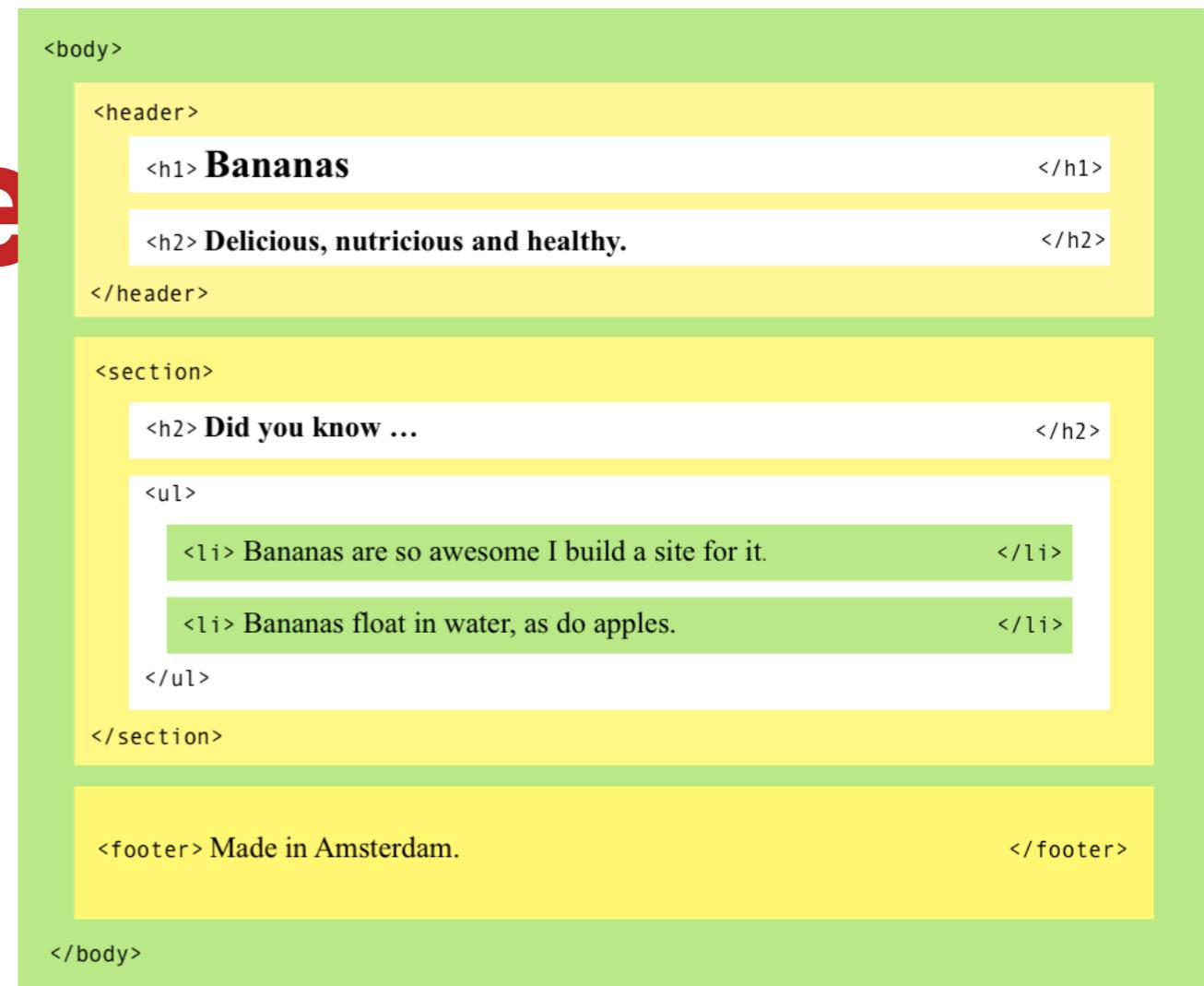
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  <head>
    <title>Bananas</title>
  </head>
  <body>
    <header>
      <h1>Bananas</h1>
      <h2>Delicious, nutricous and healthy.</h2>
    </header>
    <section>
      <h2>Did you know..</h2>
      <ul>
        <li>Bananas are so awesome I build a site for it.</li>
        <li>Bananas float in water, as do apples and watermelons.</li>
      </ul>
    </section>
    <footer>
      Made in Amsterdam.
    </footer>
  </body>
</html>
```



# Indenting our code

```
<!doctype html>
<html>
<head><title>Bad indentation example
</title></head>
<body>
<h1>Why this is bad</h1>
<ul>
  <li>Bad readability</li>
    <li>Messy</li>
<li>No overview</li>
</ul>
</body>
</html>
```

```
<!doctype html>
<html>
  <head>
    <title>Good indentation example</title>
  </head>
  <body>
    <h1>Why this is good</h1>
    <ul>
      <li>Good readability</li>
      <li>Neat</li>
      <li>Overview</li>
    </ul>
  </body>
</html>
```

# Indenting our code

```
<!doctype html>
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<li>No overview</li>
</ul>
</body>
</html>
```

Bad

```
<!doctype html>
<html>
<head>
  <title>Good indentation example</title>
</head>
<body>
  <h1>Why this is good</h1>
  <ul>
    <li>Good readability</li>
    <li>Neat</li>
    <li>Overview</li>
  </ul>
</body>
</html>
```

# Indenting our code

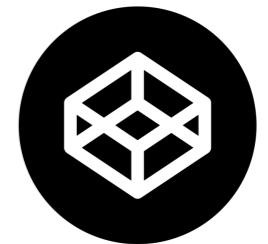
```
<!doctype html>
<html>
<head><title>Bad indentation example
</title></head>
<body>
<h1>Why this is bad</h1>
<ul>
  <li>Bad readability</li>
  <li>Messy</li>
<li>No overview</li>
</ul>
</body>
</html>
```

Bad

```
<!doctype html>
<html>
<head>
  <title>Good indentation example</title>
</head>
<body>
  <h1>Why this is good</h1>
  <ul>
    <li>Good readability</li>
    <li>Neat</li>
    <li>Overview</li>
  </ul>
</body>
</html>
```

Good

# Let's go through a couple of tags



## Text

## Elements

- <h1> - <h6>
- <p>
- <br>
- <a>

# Let's go through a couple of tags



## Text

## Elements

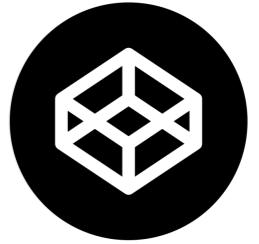
- <h1> - <h6>
- <p>
- <br>
- <a>

## Grouping

## Elements

- <header>
- <section>
- <footer>

# Let's go through a couple of tags



## Text

### Elements

- <h1> - <h6>
- <p>
- <br>
- <a>

## Grouping

### Elements

- <header>
- <section>
- <footer>

## List

### Elements

- <ul>
- <ol>
- <nav>

**#profesh**

**Always indent your  
code.**

# Exercise #1

- Open up index.html
- Go through 01 - 03
- Help your neighbours
- Google is your best friend.

**CSS**

**SheSS?**

# Link the CSS

```
<!DOCTYPE html>

<html>

<head>

  <title>Bananas</title>

  <link rel="stylesheet" href="style.css">

</head>

<body>

  . . .


```

# Link the CSS

```
<!DOCTYPE html>

<html>

<head>

  <title>Bananas</title>

  <link rel="stylesheet" href="style.css">

</head>

<body>

  . . .


```

# Link the CSS

```
<!DOCTYPE html>

<html>

<head>

  <title>Bananas</title>

  <link rel="stylesheet" href="style.css">

</head>

<body>

  . . .


```



Links the `style.css` with  
your `html` document

**What did it do?**

# **CSS file**

**Take a look in style.css**

# Syntax

```
body {  
  background-color: red;  
}
```

# Syntax



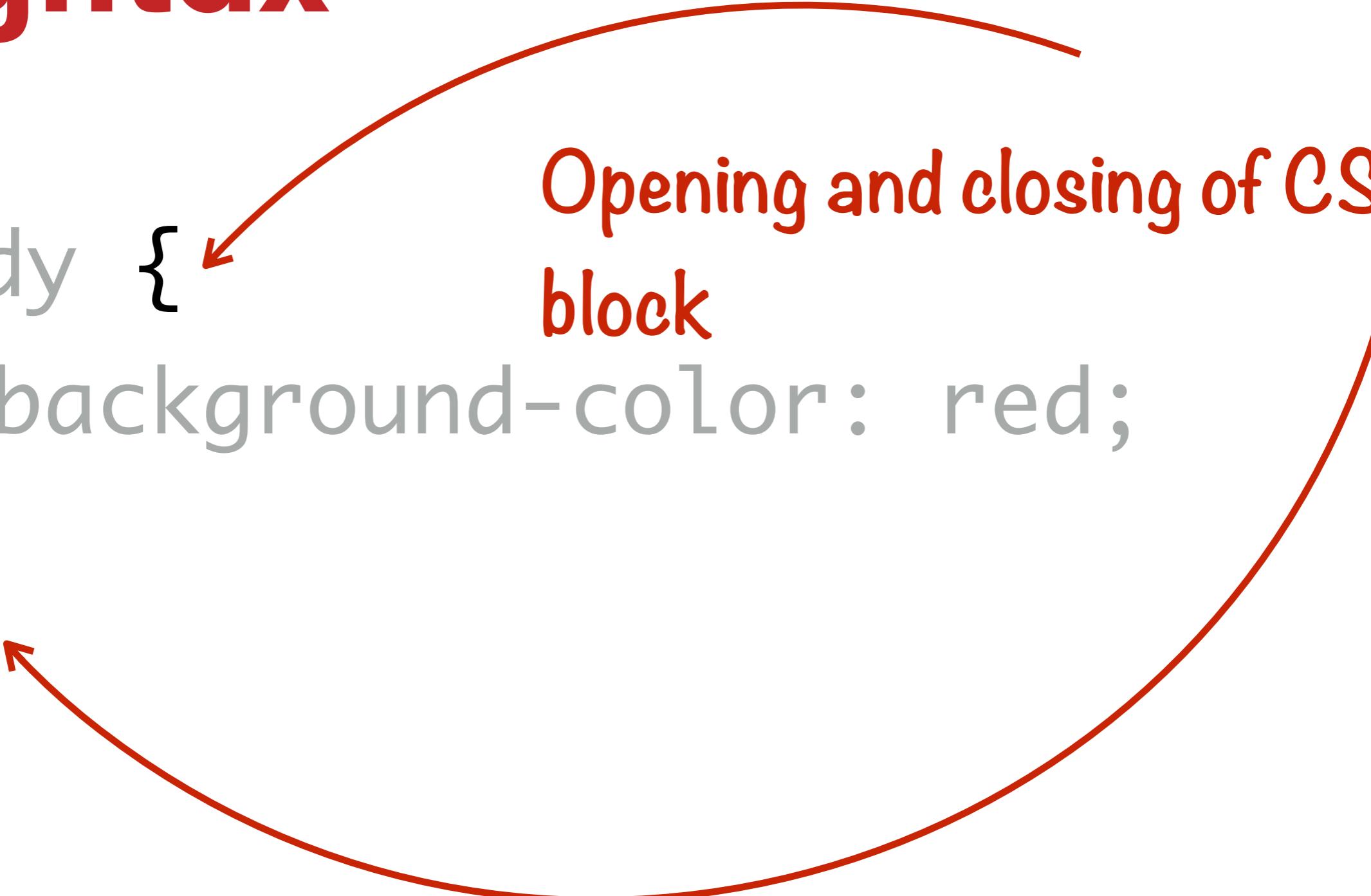
**selector**

```
body {  
  background-color: red;  
}
```

# Syntax

```
body {  
    background-color: red;  
}
```

*Opening and closing of CSS  
block*



}

# Syntax

```
body {  
  background-color: red;
```

```
}
```



property

# Syntax

```
body {  
  background-color: red;  
}
```

value



# Syntax



```
body {  
  background-color: red;  
}
```

semi colon  
seperates different rules



# Targeting

```
h1 {  
    color: blue;  
}
```

Select by tag...

# Targeting

**In your css:**

```
.title {  
  color: blue;  
}
```

**In your html:**

```
<h1 class='title'></h1>
```

*... or select by class.*

# Multiple properties



```
.title {  
  font-size: 22px;  
  font-weight: bold;  
  color: blue;  
}
```

# Apply a custom font

Google Fonts

Google Fonts

Viewing 809 of 809 font families

Roboto Christian Robertson (12 styles) <a href="#">+</a>  All their equipment and instruments are alive.	Ravi Prakash Appaji Ambarisha Darbha (1 style) <a href="#">+</a>  A red flair silhouetted the jagged edge of a wing.	Delius Unicase Natalia Raices (2 styles) <a href="#">+</a>  I WATCHED THE STORM, SO BEAUTIFUL YET TERRIFIC.	Open Sans Steve Matteson (10 styles) <a href="#">+</a> Sente... ▾   Regula... ▾   40px <a href="#">SEE SPECIMEN</a>  Almost before we knew it, we had left the ground.
Slabo 27px John Hudson (1 style) <a href="#">+</a>  A shining crescent far beneath the flying vessel.	Lato Łukasz Dziedzic (10 styles) <a href="#">+</a>  It was going to be a lonely trip back.	Libre Franklin Impallari Type (18 styles) <a href="#">+</a>  Mist enveloped the ship three hours out from port.	Oswald Vernon Adams (3 styles) <a href="#">+</a>  My two natures had memory in common.

DIRECTORY FEATURED ABOUT    Search

Categories

- Serif
- Sans Serif
- Display
- Handwriting
- Monospace

Sorting

- Trending 

Languages

- All Languages 

Number of styles

Thickness

Slant

Width

# Google fonts

- 1. Add the link in the html.**
- 2. Set font-family to entire page**

# Some font properties we can use.



```
html {  
  font-family: helvetica, sans-serif;  
  font-size: 22px;  
  font-weight: bold;  
}
```

# Exercise #2

- Go through 04 - 05
- Link the CSS to the HTML
- Select the proper google fonts and apply to your page.

# Styling boxes



```
<body>  
  <header>
```

```
    <h1> Bananas </h1>
```

```
    <h2> Delicious, nutritious and healthy. </h2>
```

```
  </header>
```

```
<section>
```

```
  <h2> Did you know ... </h2>
```

```
  <ul>
```

```
    <li> Bananas are so awesome I build a site for it. </li>
```

```
    <li> Bananas float in water, as do apples. </li>
```

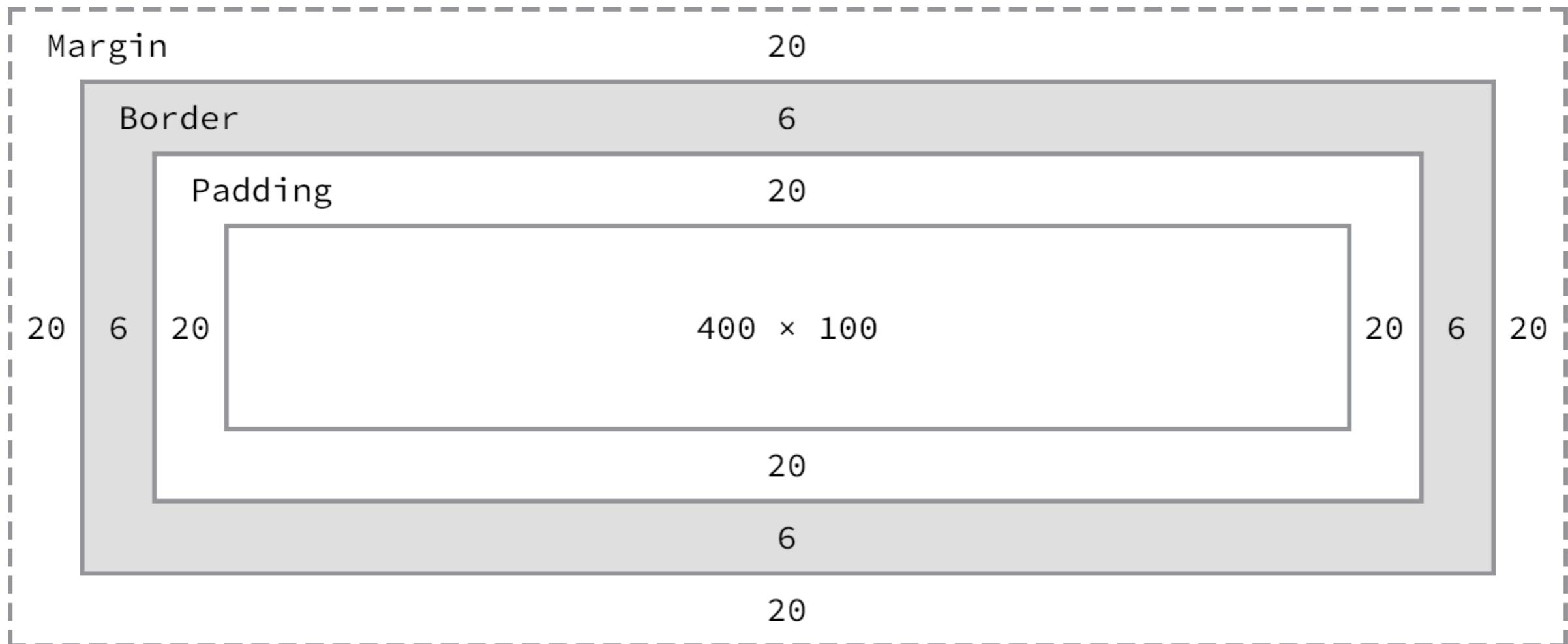
```
  </ul>
```

```
</section>
```

```
<footer> Made in Amsterdam. </footer>
```

```
</body>
```

# Box model



# Inside and outside the box

In order to manipulate the space between the boxes we can use margins and paddings.

## Padding (inner)

space between the border of the box and its content.

## Margin (outer)

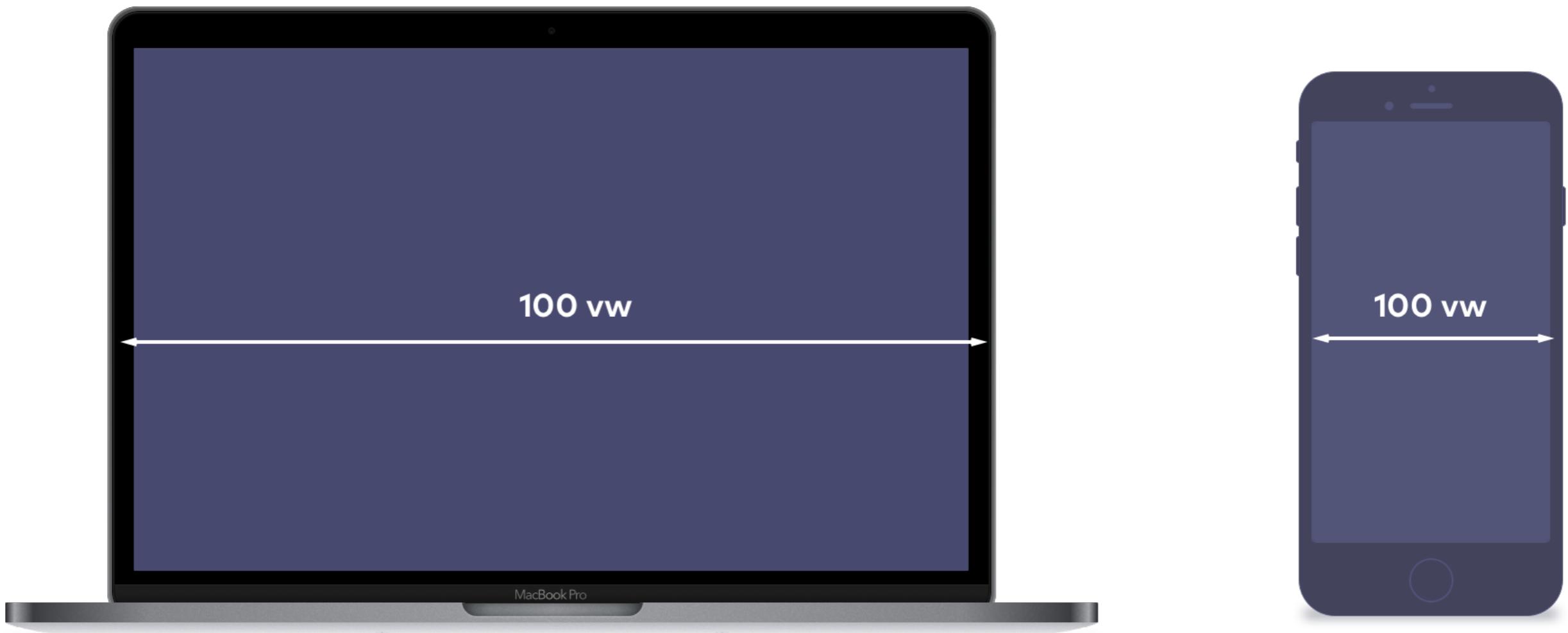
space between the border of the box and other boxes

# **size units**

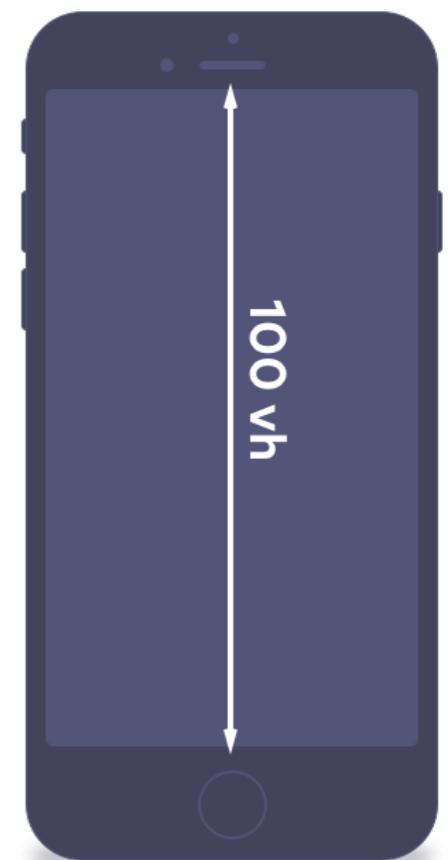
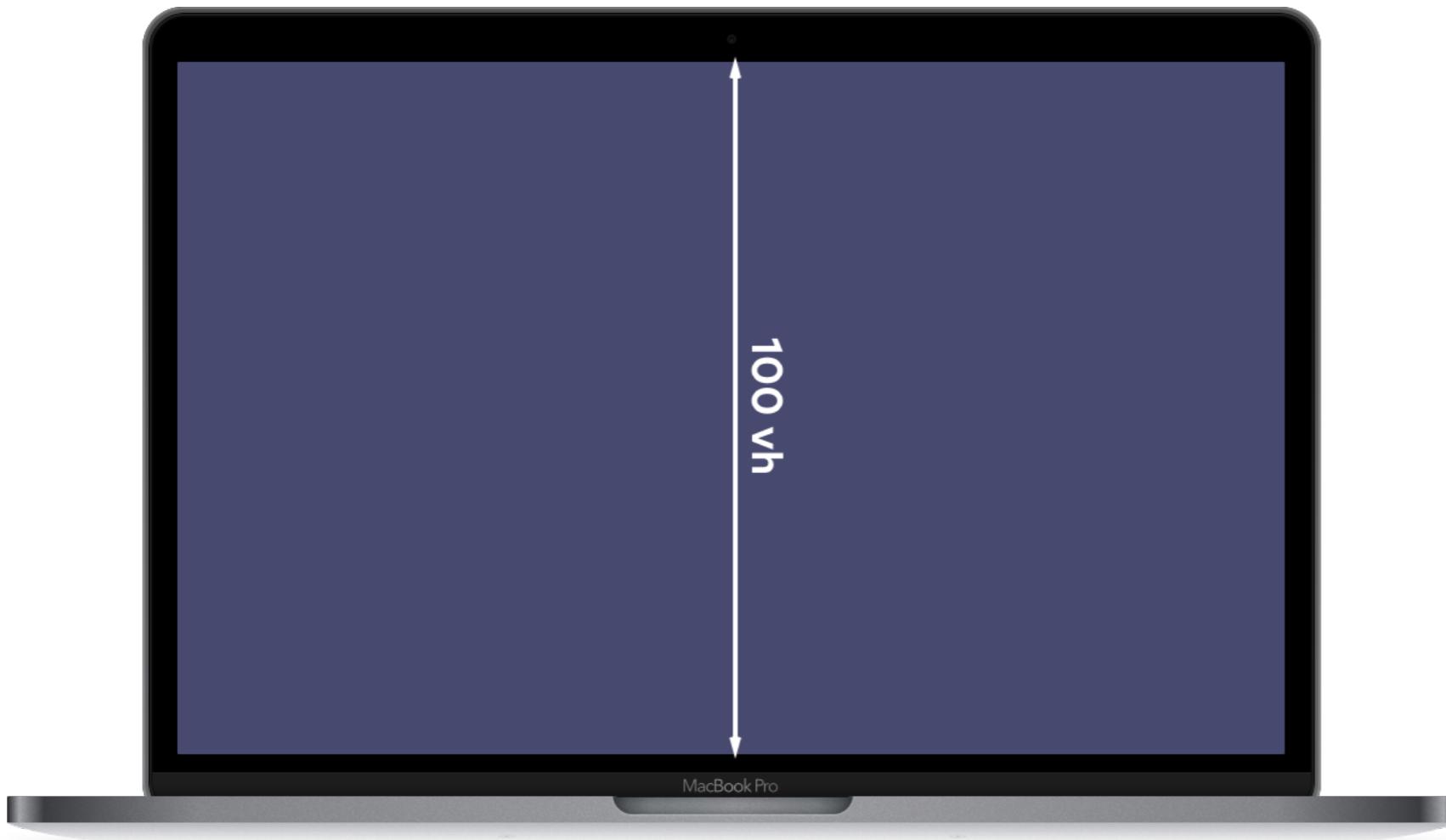
**we can use px for pixels to set the size,  
but we can also use relative units.**

**for example %, vw & vh**

# vw (viewport width)



# vh (viewport height)



# background color

```
body {  
  background-color: #fff;  
}
```

colors in CSS can be expressed in

HEX code.

google “color picker”

# background-image

```
body {  
  background-image: url('image.jpg');  
}
```

# more...

```
body {  
  background-position: right bottom;  
  background-size: cover;  
  background-repeat: no-repeat;  
}
```

# Exercise #3

- Go through 05 - 07
- Ask questions
- Help your neighbours
- [cssreference.io](https://cssreference.io)

# Making columns



**Flexbox is a relative new technique to simplify layout making.**

**Try giving a container elements the display: flex; css rule.**

# Other useful properties



**In combination with display: flex; we can use justify-content: center; to horizontally center the elements.**

# Exercise #4

1. Open up style.css
2. Go through 08 - 09
3. Finishing the page - padding, margins, font-sizes.



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- Pat yourself on the back. You did great!

# Thanks!

:{})

Codaisseur

