

Before we start

1. Connect to WIFI

WIFI: TQ

WW: gracehopper

2. Download the following programs

- Editor (Sublime Text, Atom, Notepad++)
- Google Chrome

3. Download this package

www.tjinauyeung.nl/shesharp/lesson.zip

Who is

:{) Codaisseur

- We train the willing into career **developers**
- We teach the **fundamentals of programming** to professionals and hobbyists alike
- We impress upon people the **importance of code in today's world**

Beginner Bootcamp

your kickstart into the world of code

 Codaisseur

Who are you?

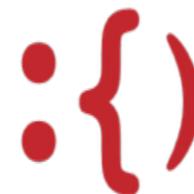
- A **developer** looking to learn the “other end”
- Aspiring **developer** looking for a kickstart
- **Hobbyist** looking for more

Who are you?

Experience is not required

Traineeship Program

the fastest way to junior developer

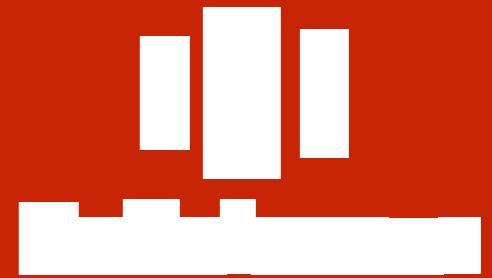
 Codaisseur

Traineeship aim

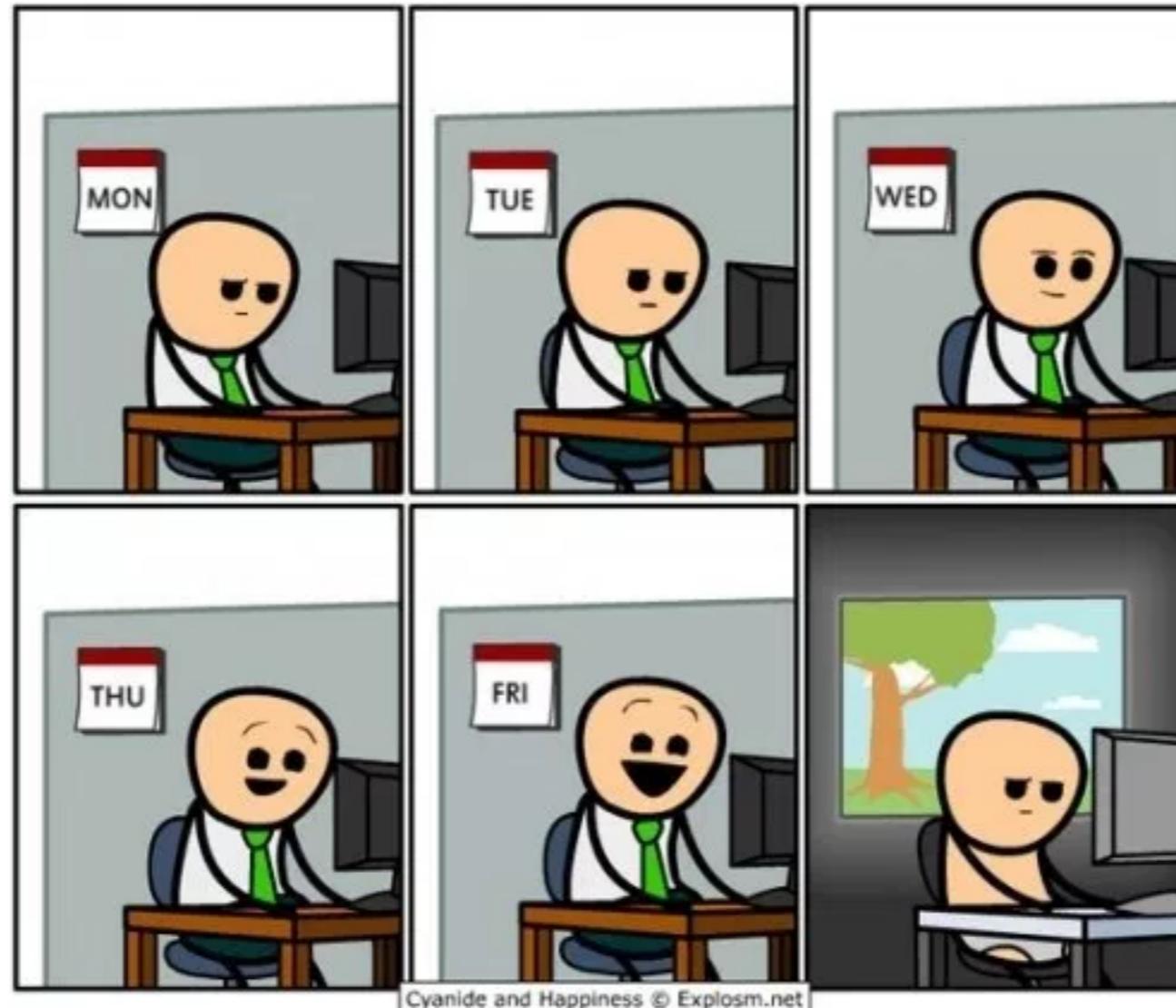
- Provide prospective graduates with the skills and knowledge to be gainfully employed as a junior developer
- Accelerate a graduate's growth potential through continuous training and support

**Learn
to Code**

HTML / CSS



About me:



me (Mike)

Life as a developer...



How do we solve a given problem?

Time to think!

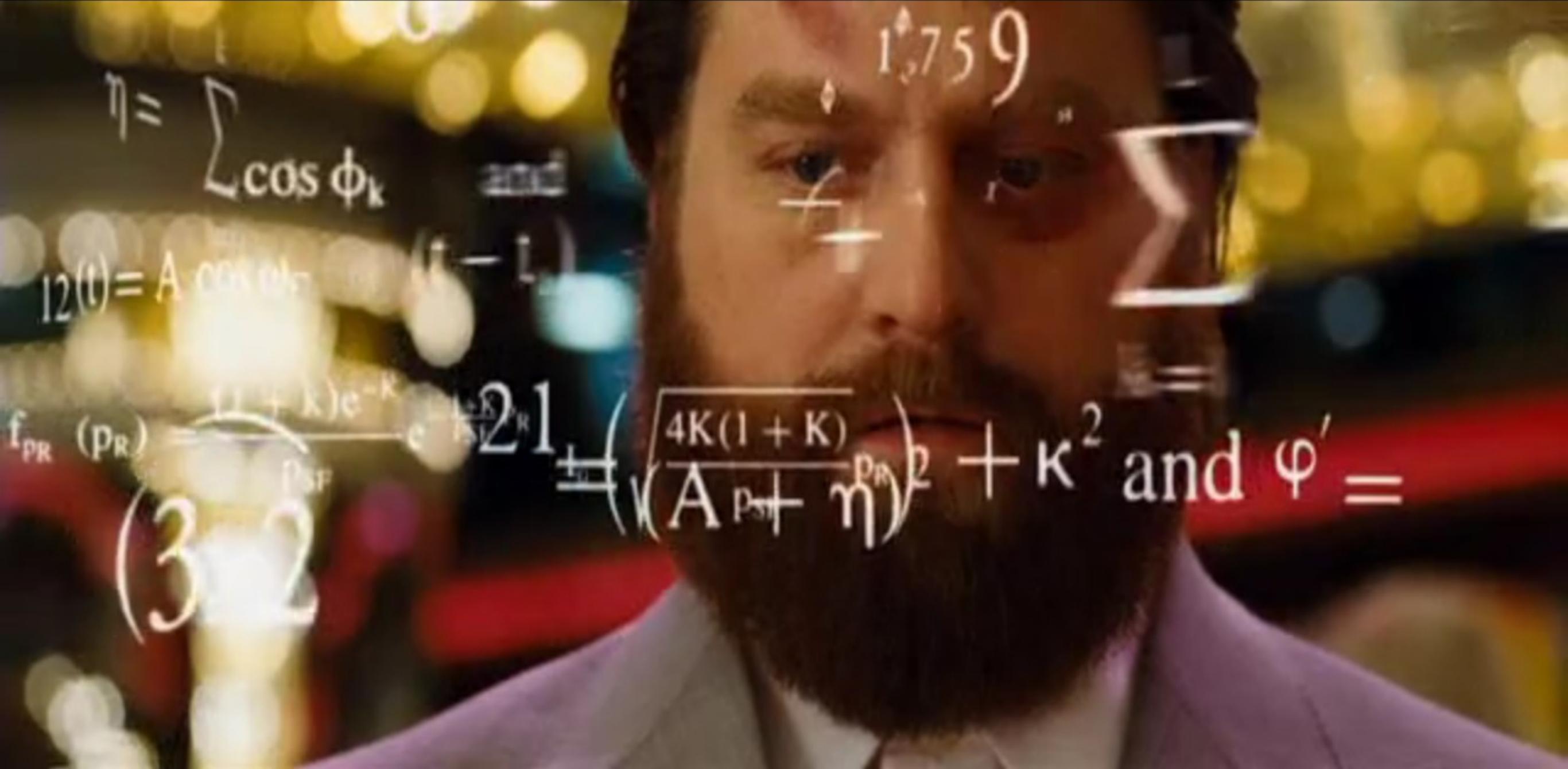
Problem solving, ingenuity, experience, etc.



Doesn't always work, but don't despair.



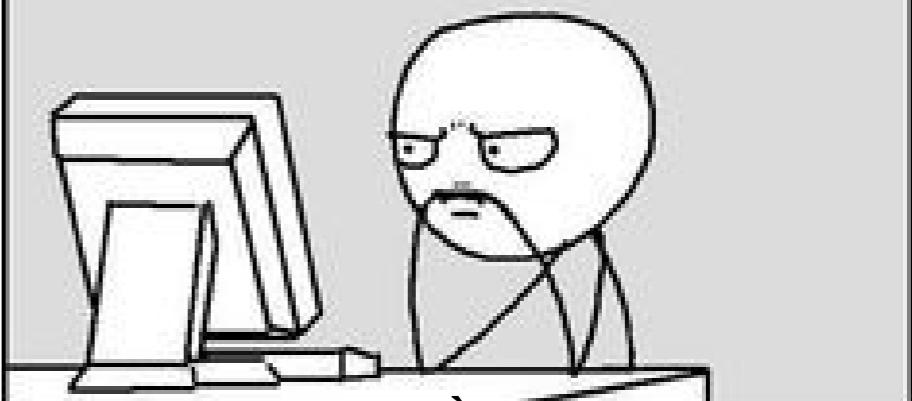
The image features the Google logo in its signature multi-colored, sans-serif font. The letters are rendered in a 3D style, appearing to float in front of a dramatic, cloudy sky. The 'G' is blue, the first 'o' is red, the second 'o' is yellow, the 'g' is blue, the 'l' is green, and the 'e' is red. The background is a dark, cloudy sky with bright, golden-yellow rays of light streaming through the clouds, creating a dramatic and somewhat ethereal atmosphere.



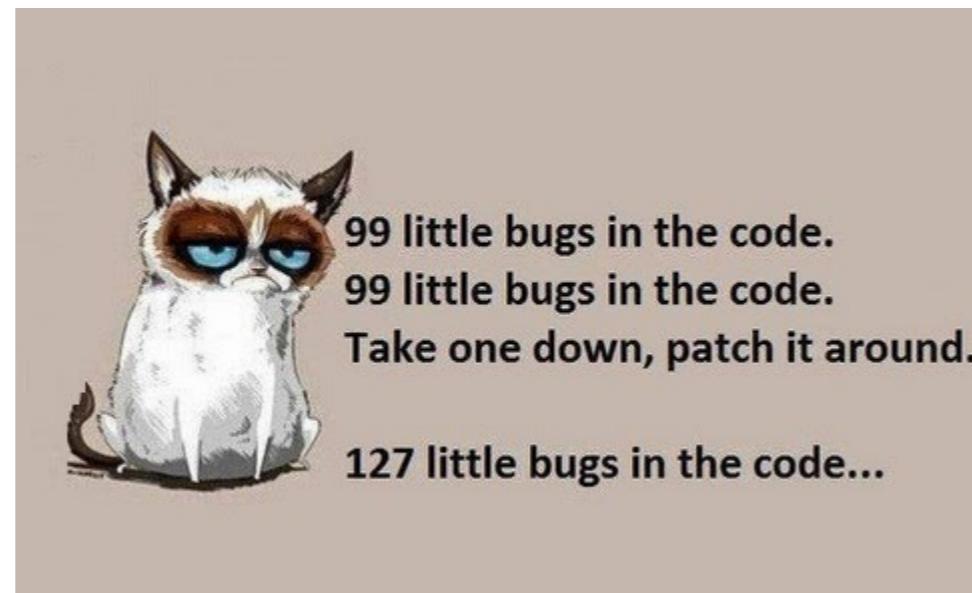
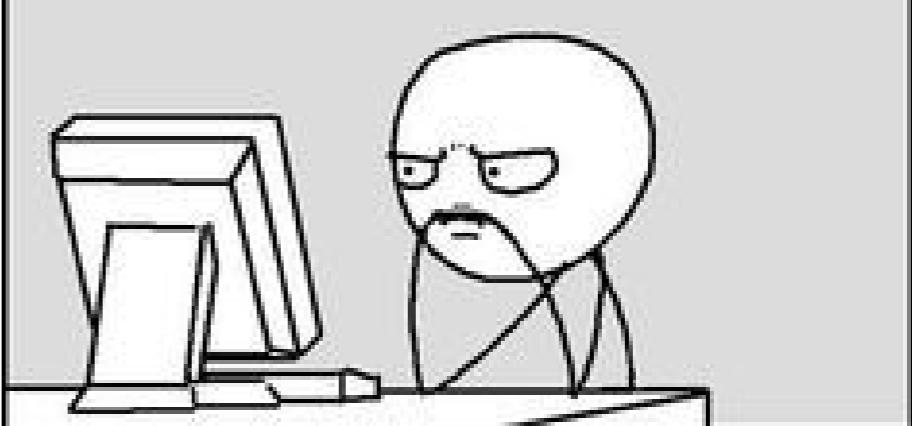
Bug Hunting!



It doesn't work..... why?



It works..... why?



- ⚠ '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').
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- ⚠ '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](#)
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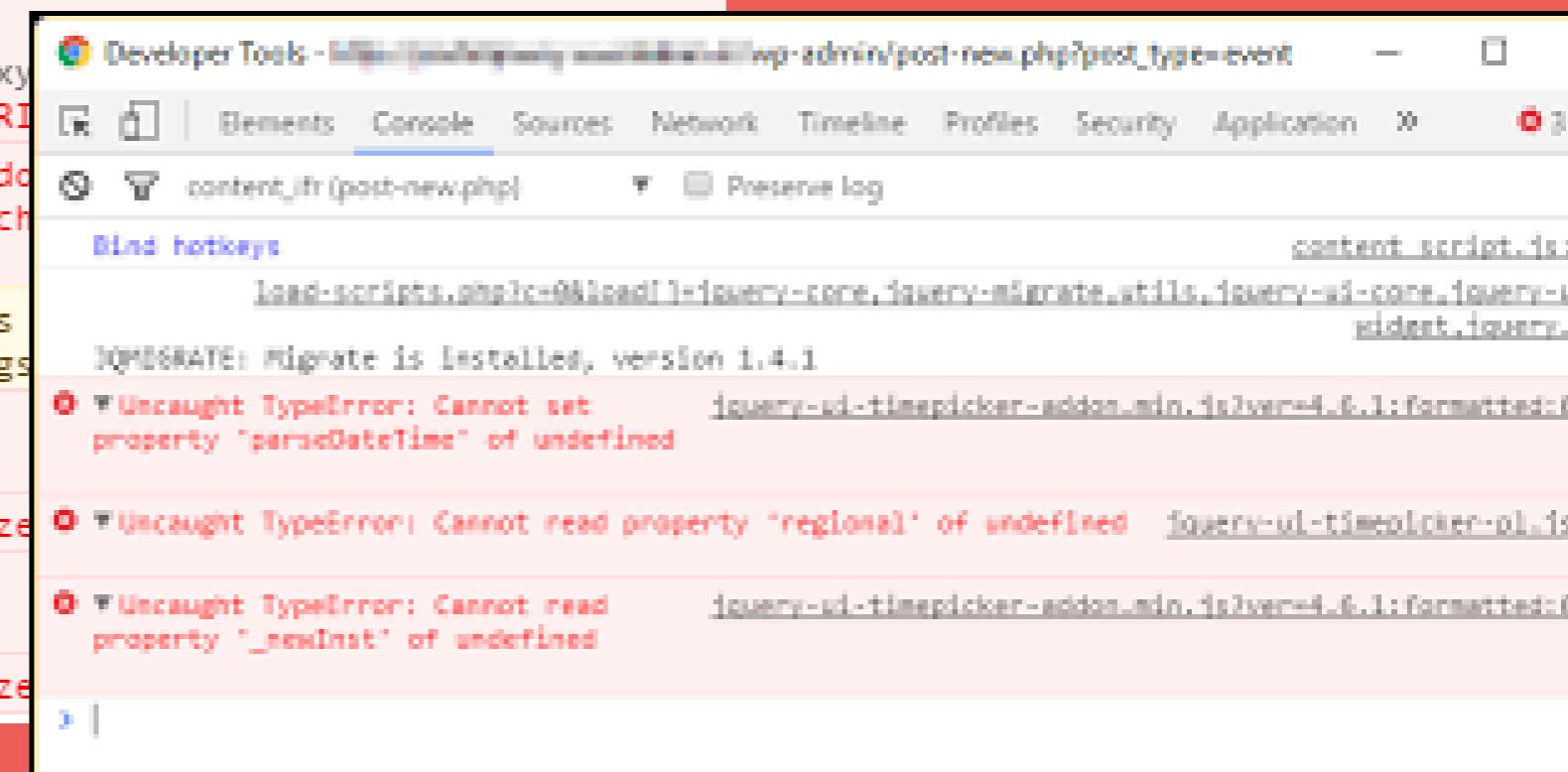
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✖ Uncaught TypeError: Cannot set property 'innerHTML' of null [content_script.js:1](#)

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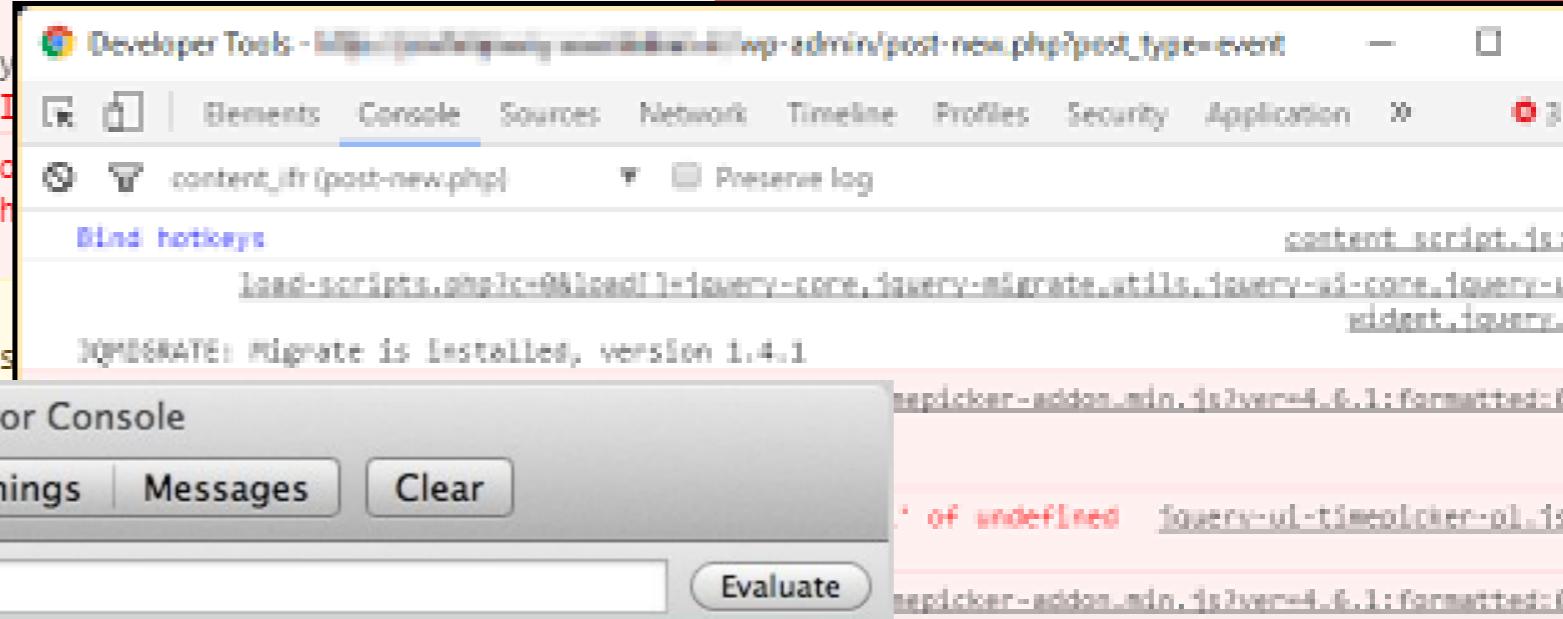
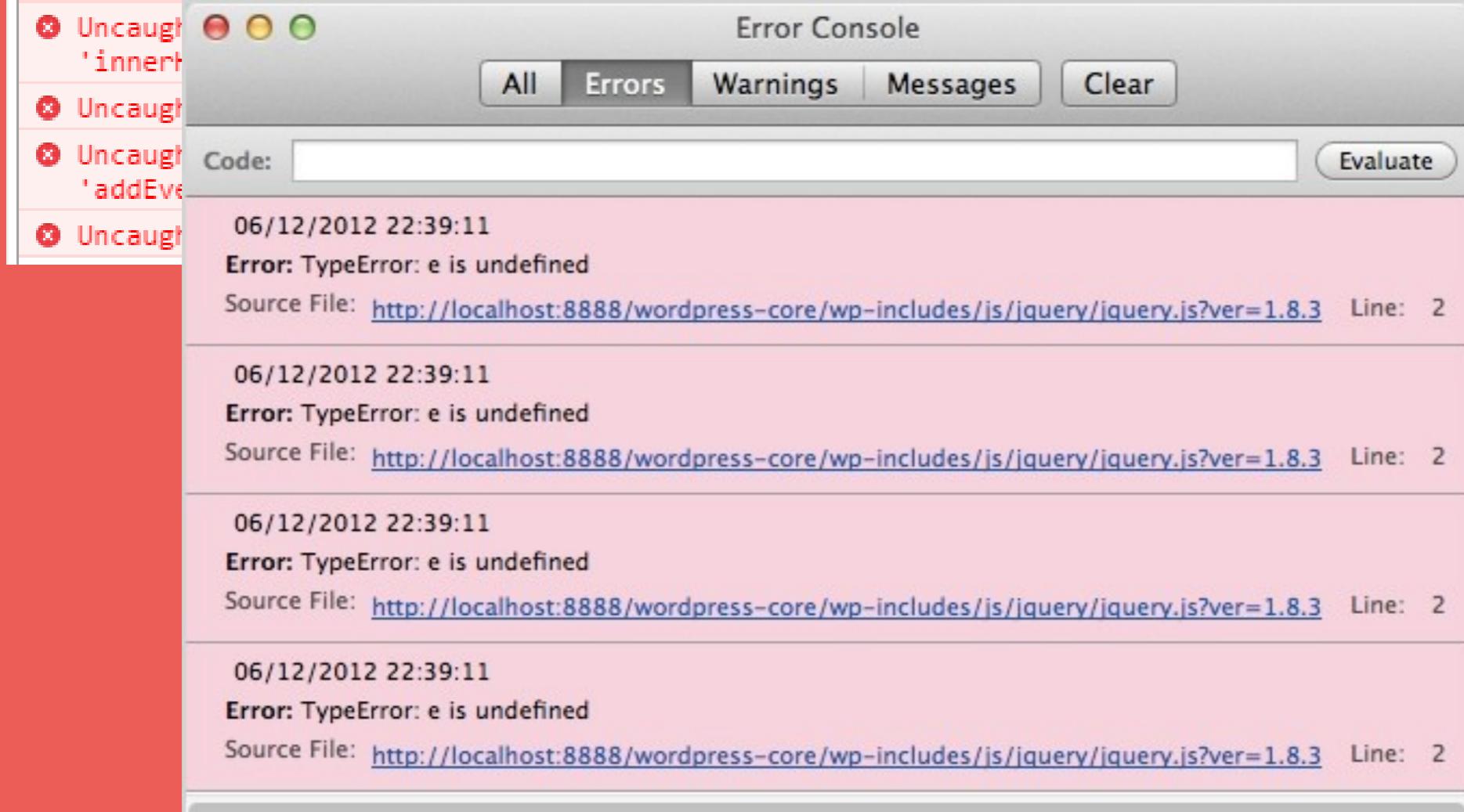
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Just right.

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

Made by a banana fan.

from this..

..to this.

The website has a header with the word "bananas" and navigation links for "benefits", "banana facts", and "contact me". The main title "Bananas" is in a large, bold, black serif font. Below it is a subtitle "Sweet, healthy and comforting." A large illustration of bananas is on the right. The "Why They're Awesome" section has three icons: a sandwich, a bowl, and a banana. Text below the sandwich says "It's great on toast. With peanutbutter." Text below the bowl says "Enjoy them in a big bowl of muesli." Text below the banana says "Banana milkshakes. Nuff said." The "Did you know.." section contains a list of facts. The "Want to know more?" section has an email address "lover@bananas.nl" and a note about four bananas being eaten during the site's 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.
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- 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

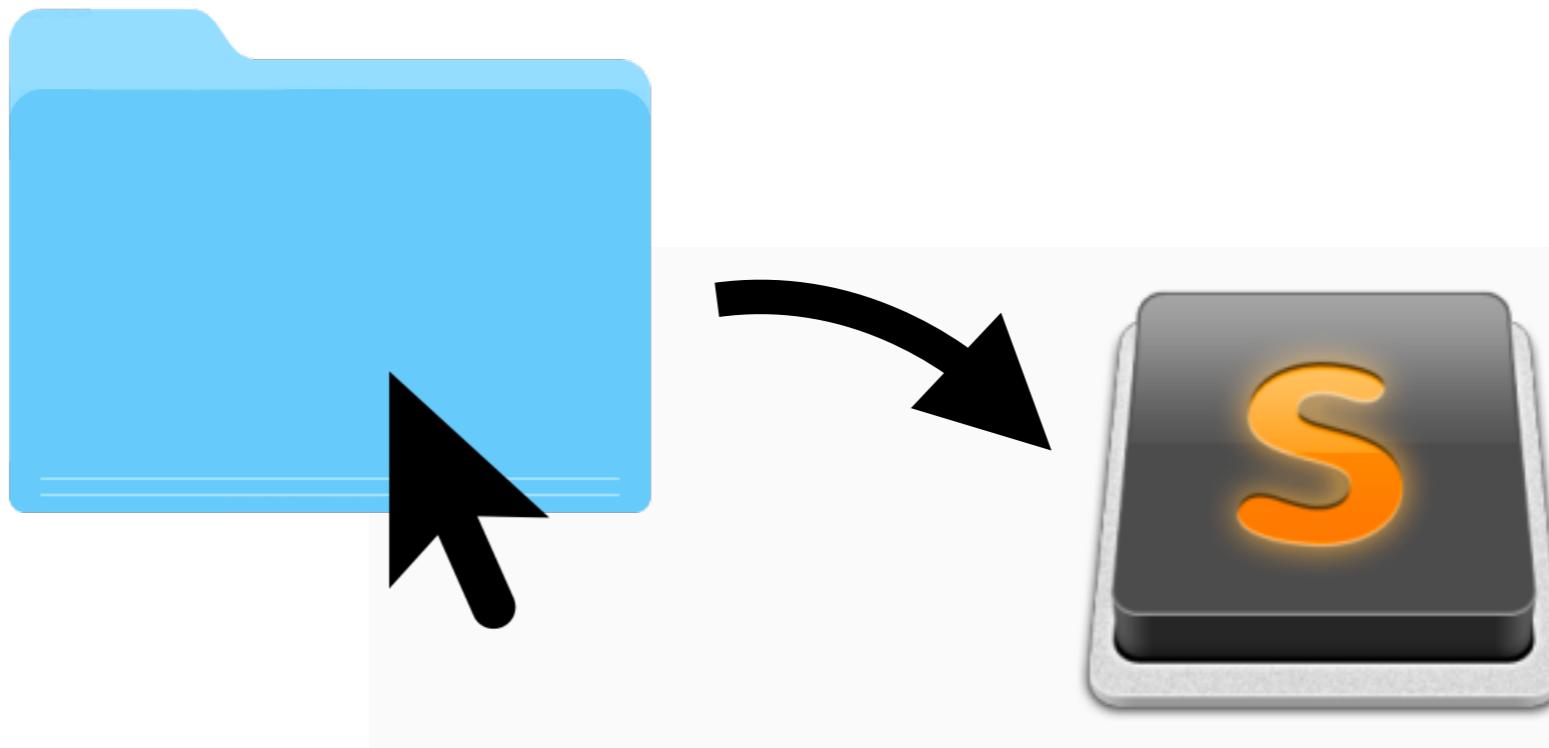
2. Download the following programs

- Editor (Sublime Text, Atom, Notepad++)
- Google Chrome



Setting up

- Download www.tjinayeung.nl/shesharp/lesson.zip and unzip it on your desktop.
- Drag the folder **onto** your Sublime application (Right click and open with the editor).



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 pot-holed 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 there 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.

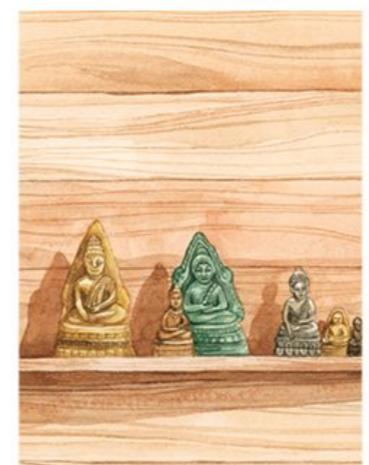
That night, I dreamed about a woman and a child. The woman said, "I have followed you since the funeral." She said this she liked me, and that she wanted me to transfer some of my good karma to her. I woke up and saw a shadow and heard someone walking. I said, "What do you want from me?" I felt as if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

open a restaurant in Chonburi. He told this story to Thomas Fuller in Thai.

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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Tells the browser that it's a HTML document

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

Structure of website

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

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</body>
</html> 
```

Structure of website

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

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

the head element contain

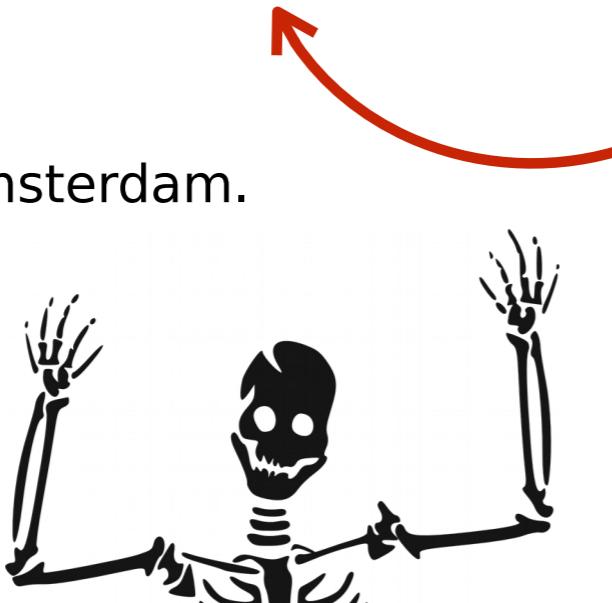
all the meta info

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

Structure of website

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



Bananas

Delicious, nutricous and healthy.

Did you know..

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- 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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HTML elements are just boxes.

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  <head>
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  <bodYY
```



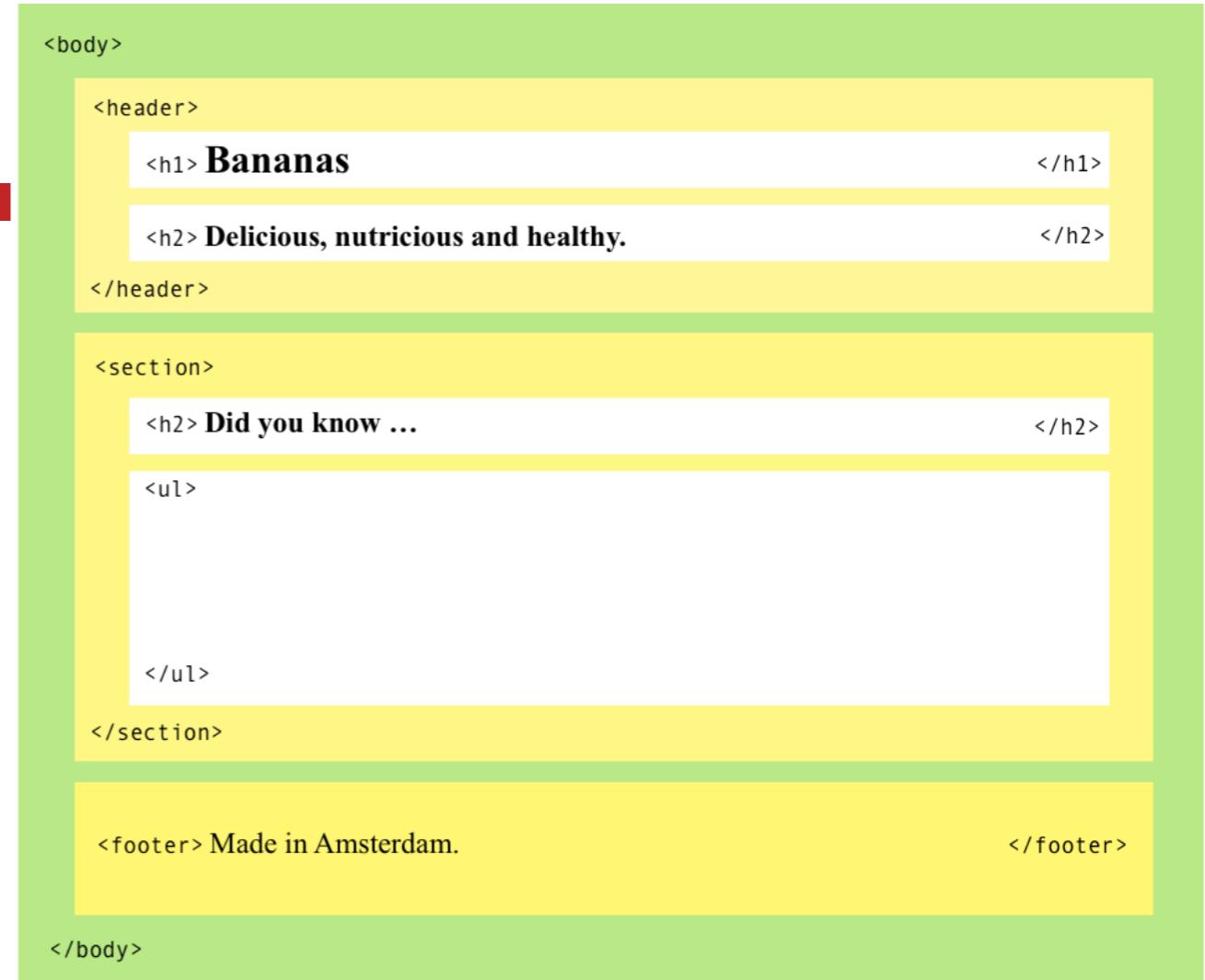
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</html>
```



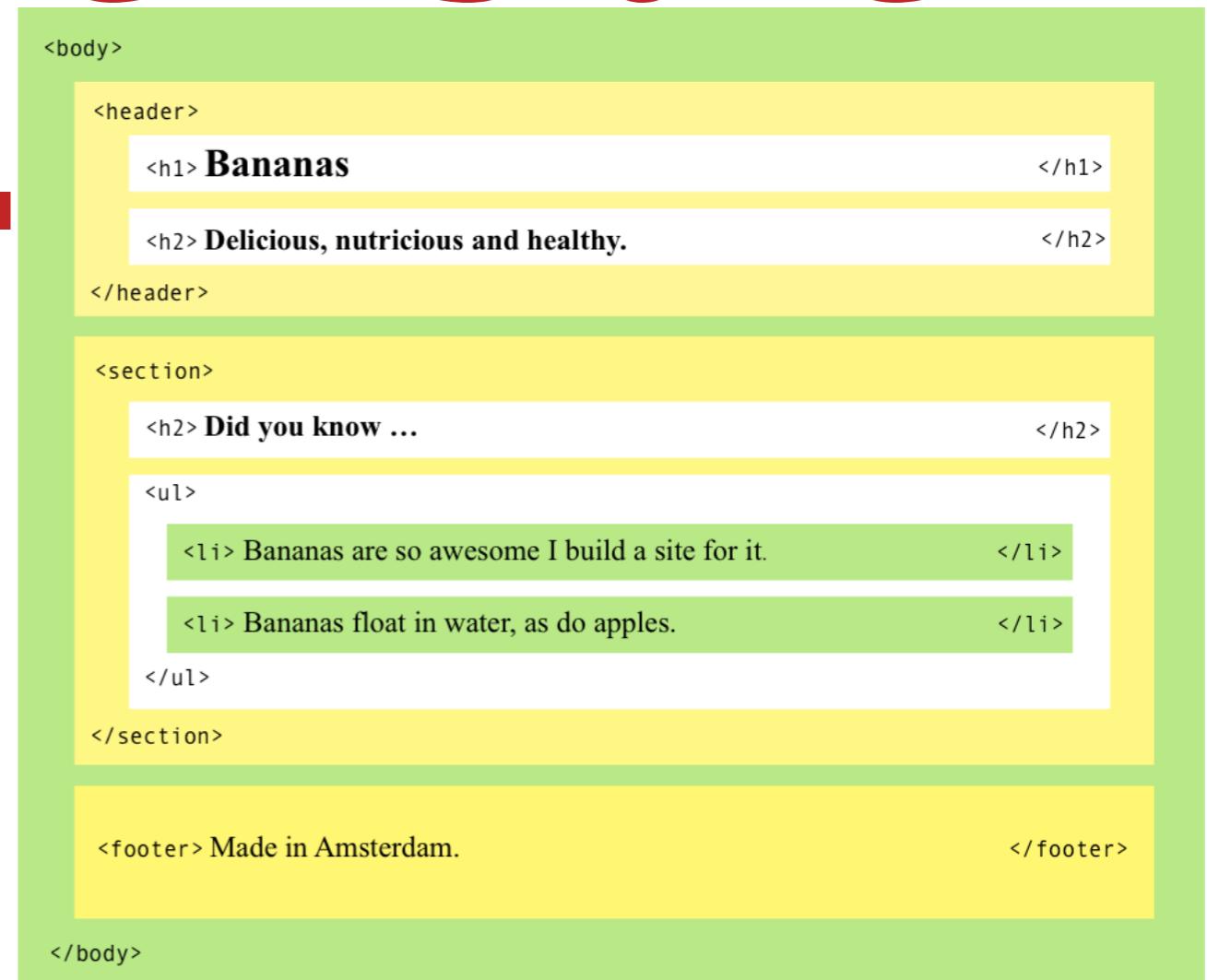
HTML elements are just boxes.

```
<!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>
```



HTML elements are just boxes.

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      </ul>
    </section>
    <footer>
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    </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>
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Indenting our code

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      <li>No overview</li>
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```

Bad

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

Good

Let's go through a couple of tags



Text

Elements

- <h1> - <h6>
- <p>
-

- <a>

Let's go through a couple of tags



Text

Elements

- <h1> - <h6>
- <p>
-

- <a>

Grouping

Elements

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

Let's go through a couple of tags



Text Elements

- <h1> - <h6>
- <p>
-

- <a>

Grouping Elements

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

List Elements

-
-
- <nav>

#profesh

**Always indent your
code.**

You can find the exercises in the HTML comments.
They look like this:

```
<!-- This is a comment! -->
```

Exercise #1

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

CSS

Link the CSS

```
<!DOCTYPE html>

<html>

  <head>

    <title>Bananas</title>

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

  </head>

  <body>

    ...

  </body>

</html>
```

Link the CSS

```
<!DOCTYPE html>

<html>

  <head>

    <title>Bananas</title>

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

  </head>

  <body>

    ...

  </body>

</html>
```

Link the CSS

```
<!DOCTYPE html>  
  
<html>  
  
<head>  
  
<title>Bananas</title>  
  
<link rel="stylesheet" href="style.css">  
  
</head>  
<body>  
...  
...
```



**Links the style.css w
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**



background-color: red;

Syntax

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



property

Syntax

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

value



Syntax



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

**semi colon separates
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

The screenshot shows the Google Fonts website interface. At the top, there's a navigation bar with links like 'DIRECTORY', 'FEATURED', 'ABOUT', and a search bar. The main content area displays a grid of font specimen cards. Each card features a font family name, a small image of the font's creator, and a preview of the font in a specific sentence. The cards are arranged in a 3x3 grid. On the right side, there are filters for 'Categories' (Serif, Sans Serif, Display, Handwriting, Monospace), 'Sorting' (Trending), 'Languages' (All Languages), and 'Number of styles', 'Thickness', 'Slant', and 'Width' sliders. The fonts shown in the grid include Roboto, Ravi Prakash, Delius Unicase, Open Sans, Slabo 27px, Lato, Libre Franklin, Oswald, and several others.

Google Fonts

Viewing 809 of 809 font families

Robot Christian Robertson (12 styles) +

Ravi Prakash Appaji Ambarisha Darbha (1 style) +

Delius Unicase Natalia Raices (2 styles) +

Open Sans Steve Matteson (10 styles) +

Slabo 27px John Hudson (1 style) +

Lato Łukasz Dziedzic (10 styles) +

Libre Franklin Impallari Type (18 styles) +

Oswald Vernon Adams (3 styles) +

All their equipment and instruments are alive.

A red flair silhouetted the jagged edge of a wing.

I WATCHED THE STORM, SO BEAUTIFUL YET TERRIFIC.

Almost before we knew it, we had left the ground.

SEE SPECIMEN

A shining crescent far beneath the flying vessel.

It was going to be a lonely trip back.

Mist enveloped the ship three hours out from port.

My two natures had memory in common.

Categories

- Serif
- Sans Serif
- Display
- Handwriting
- Monospace

Sorting

Trending

Languages

All Languages

Number of styles

Thickness

Slant

Width

Roboto Condensed +

Source Sans Pro +

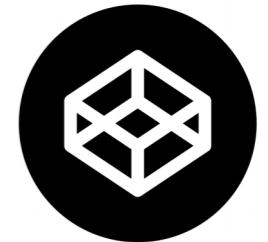
Montserrat +

Raleway +

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

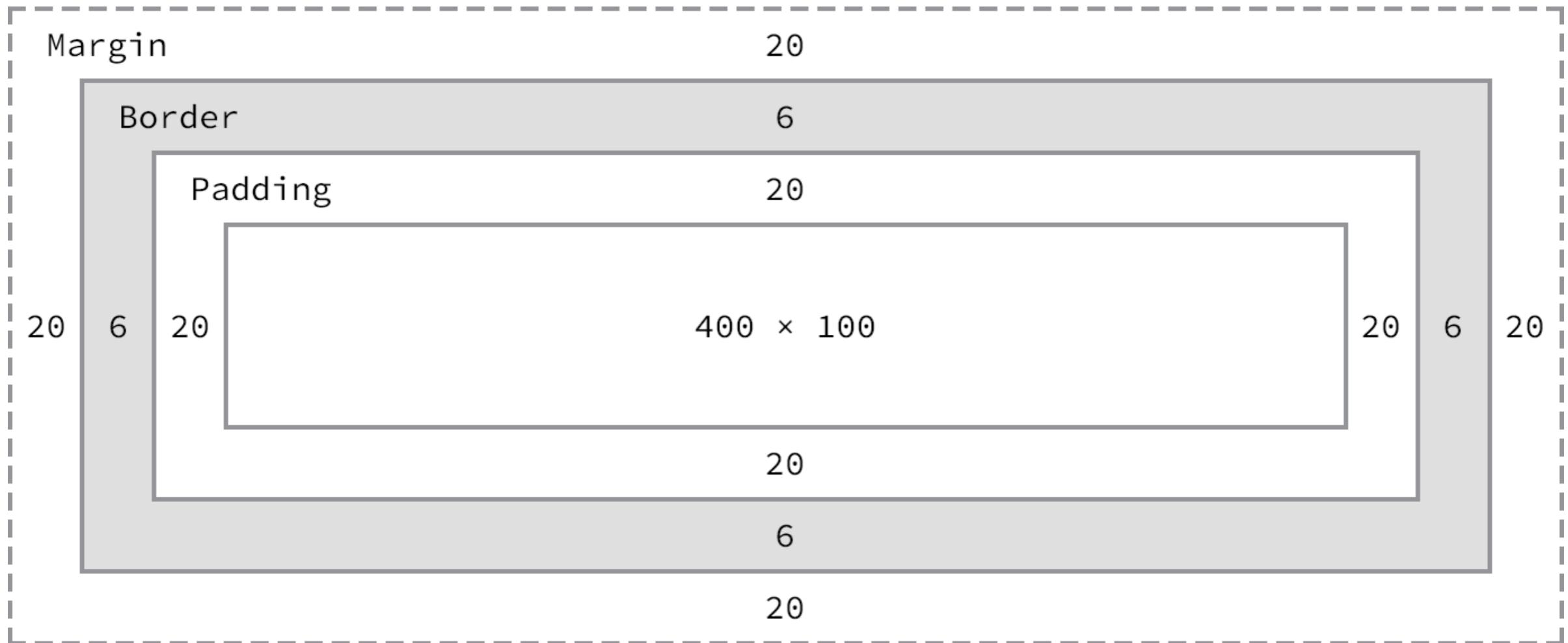
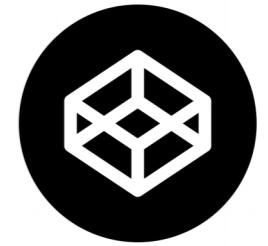


```
<body>
  <header>
    <h1> Bananas </h1>
    <h2> Delicious, nutricious and healthy. </h2>
  </header>

  <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)

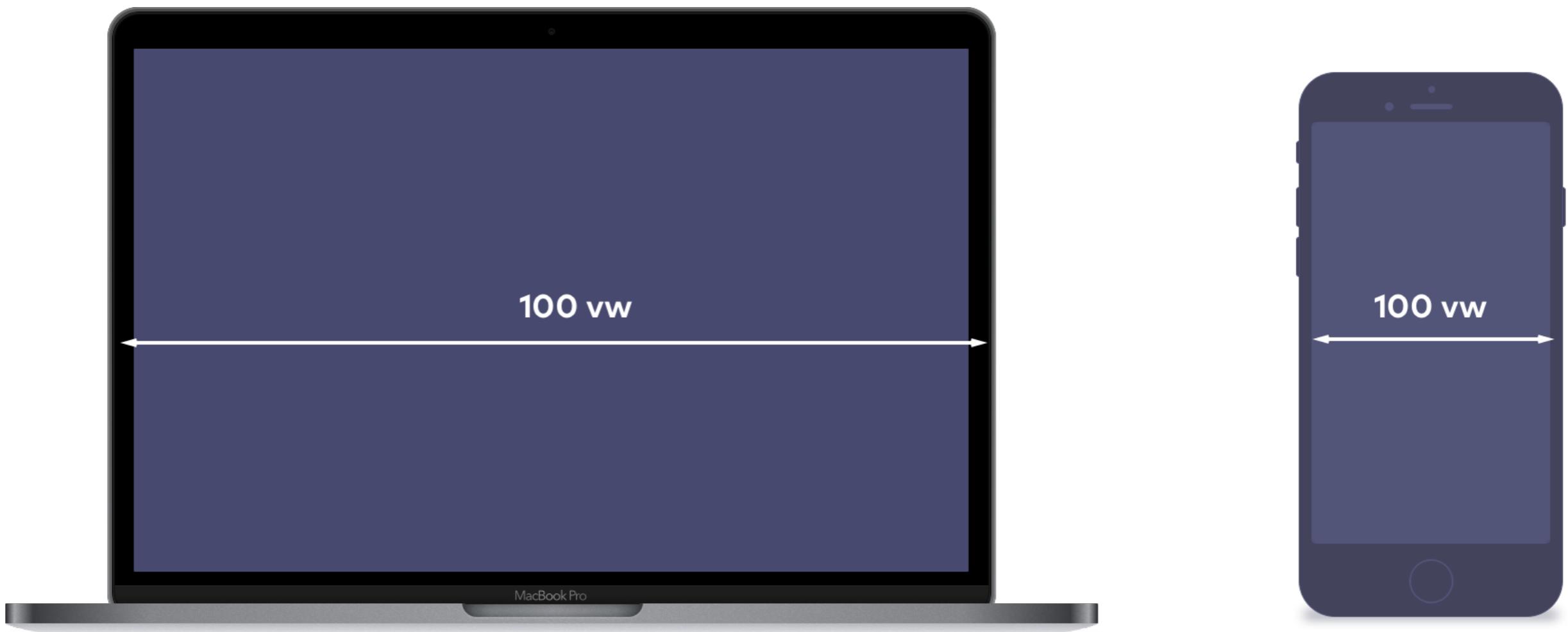
space between the border of the box and other boxes

size units

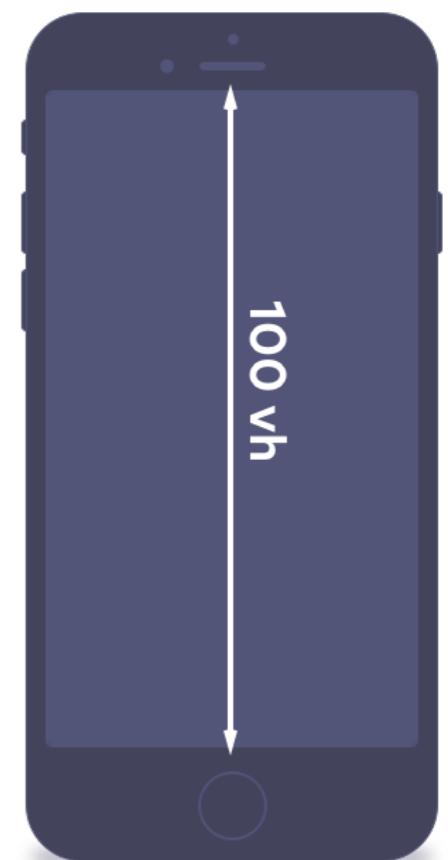
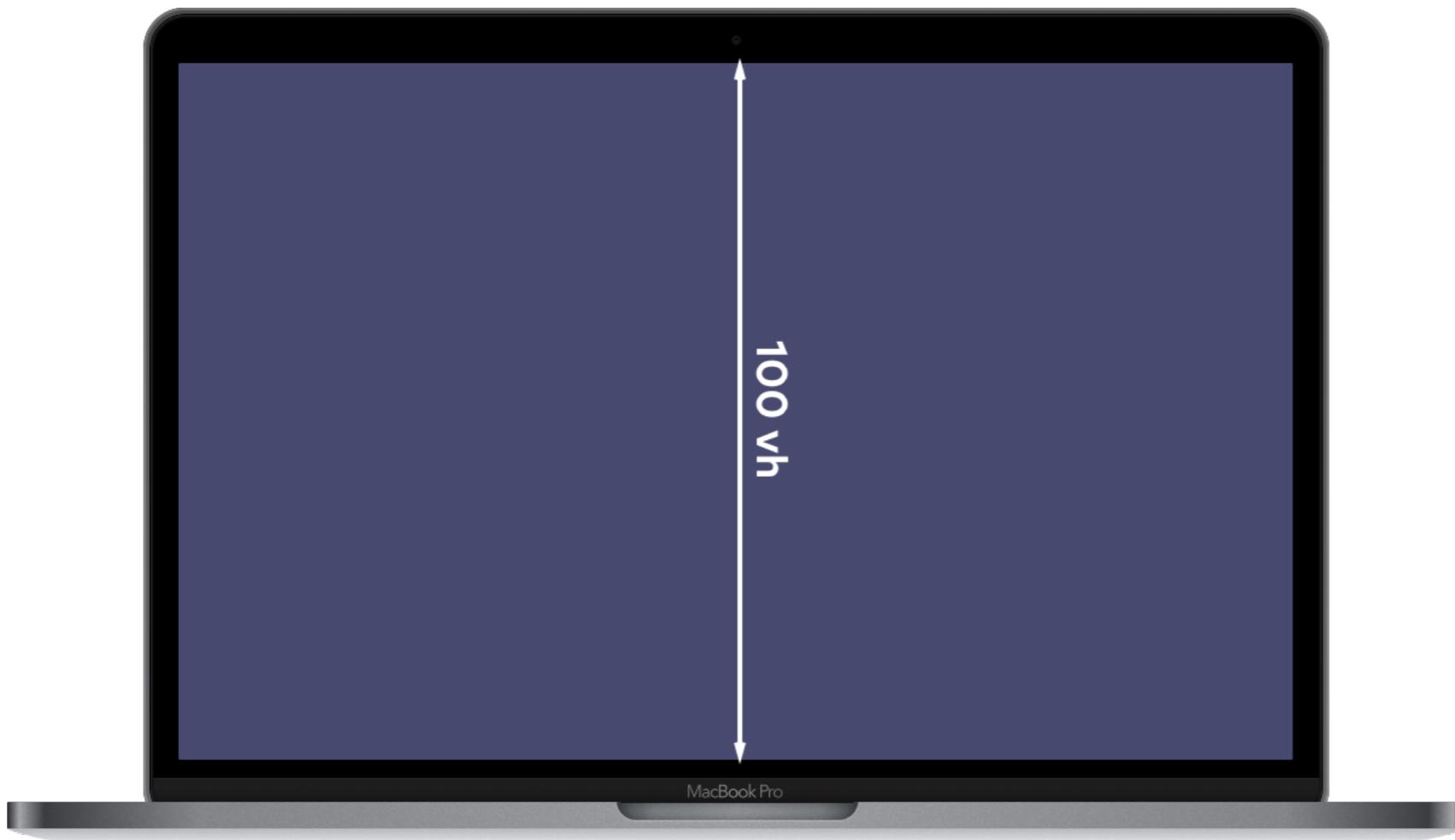
**we can use px for pixels to
set the size, but we can also use
relative units.**

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

Making columns



Flexbox is a relative new technique to 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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Folder Here

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Upload online!



Extra

- Upload your website on bitballoon.
- Pat yourself on the back. You did great!

Exercises

Provided by:



Open Evening

Traineeship:

- 23 February
- 22 March

Bootcamp:

- March 6

Think a career in coding is for you? Well the first step is admitting that you have a problem! The second step would be to join us at our open evening so we can tell you more about our traineeship program and your opportunity of a lifetime.

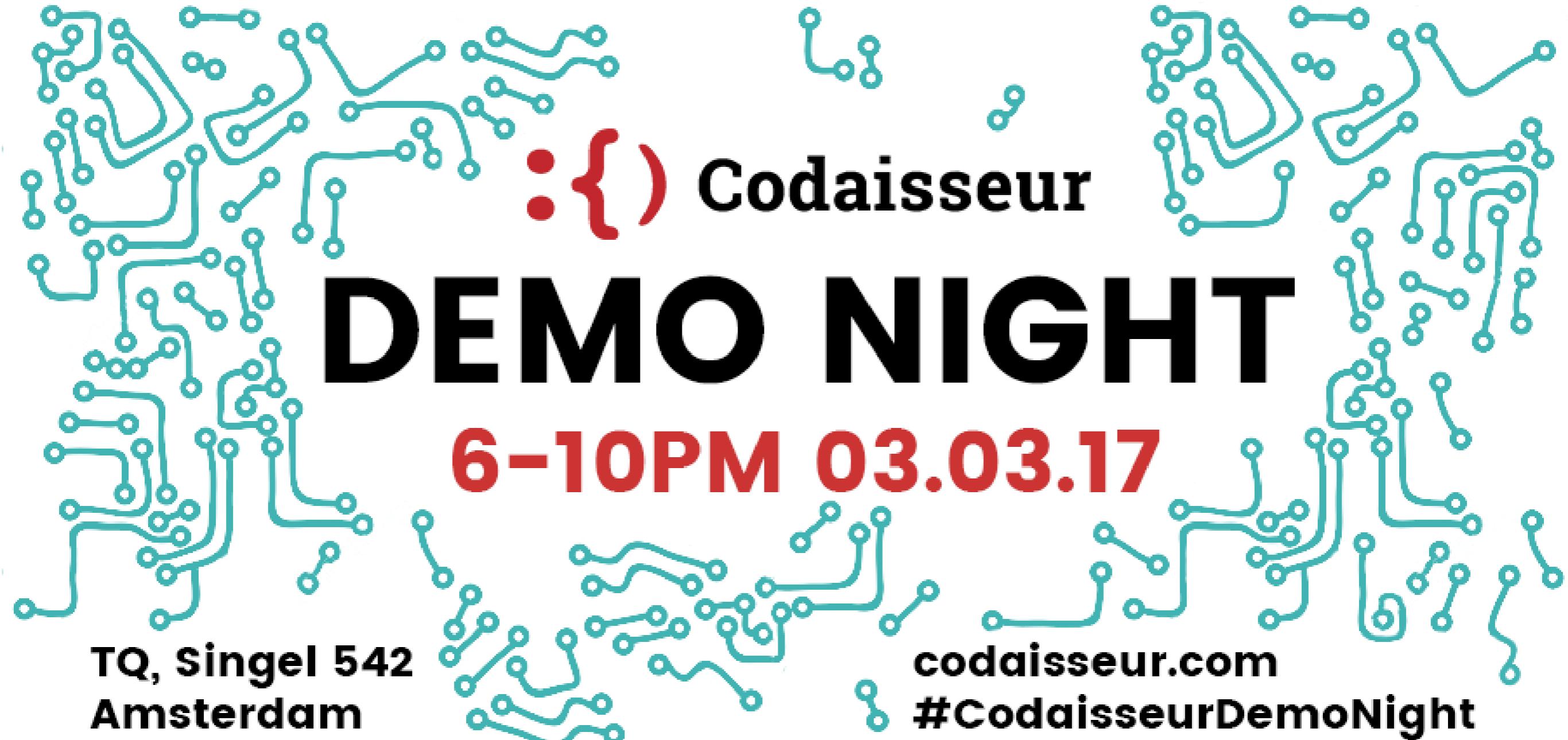
Following our small, but visually un-stimulating Keynote presentation, we'll answer all the questions you've been dying to ask. At some point we'll also be offering wine and just below room temperature beer to win over all you remaining skeptics.

Worst case scenario, if turns out not to be what you expected, then it's only an hour out of your day instead of a lifetime of regret.

So, here's your chance...
See you at Codaisseur HQ!

Interested?

Come see what our students have made after completing their training!



:{) Codaisseur

DEMO NIGHT

6-10PM 03.03.17

TQ, Singel 542
Amsterdam

codaisseur.com
#CodaisseurDemoNight