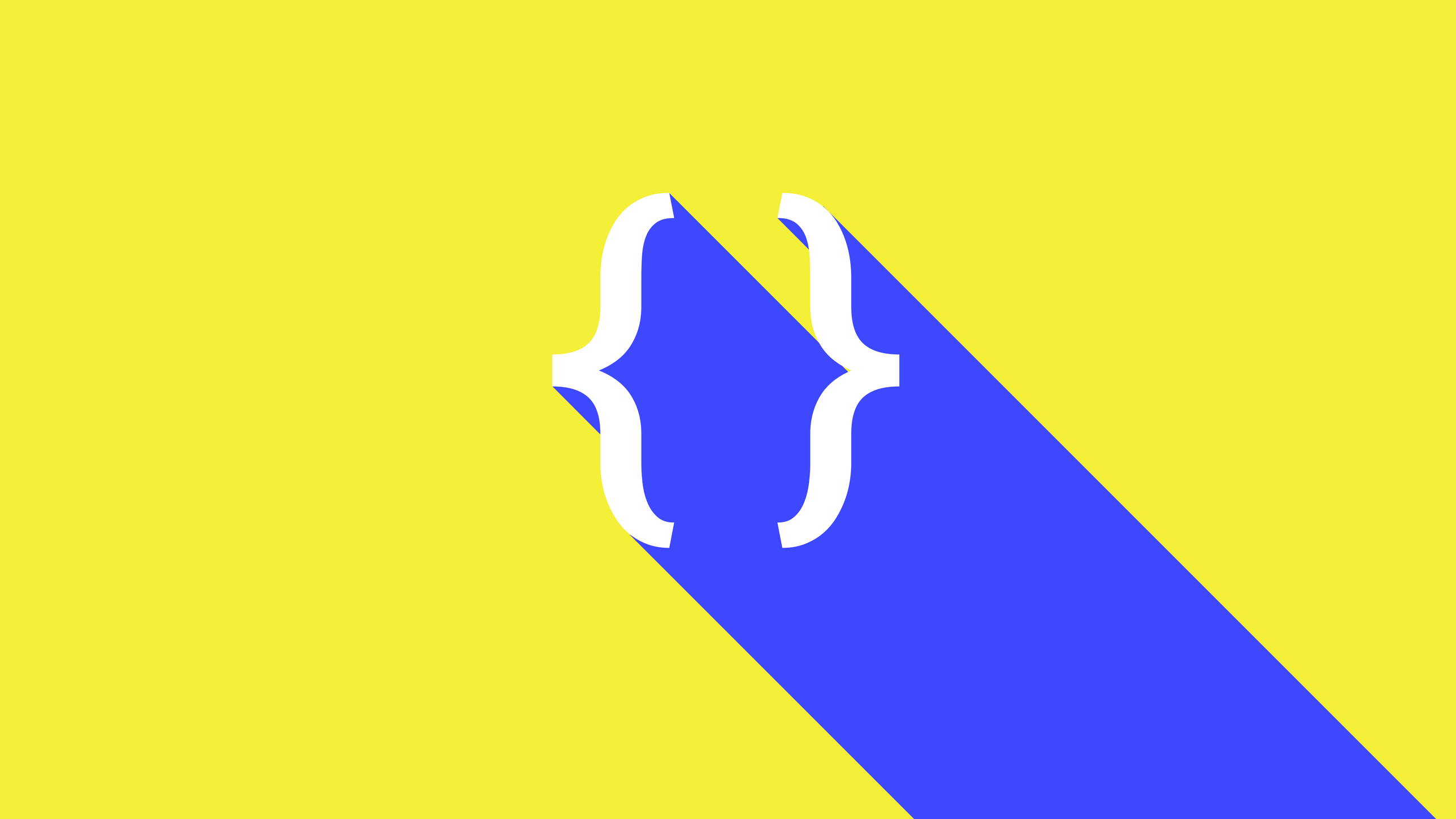
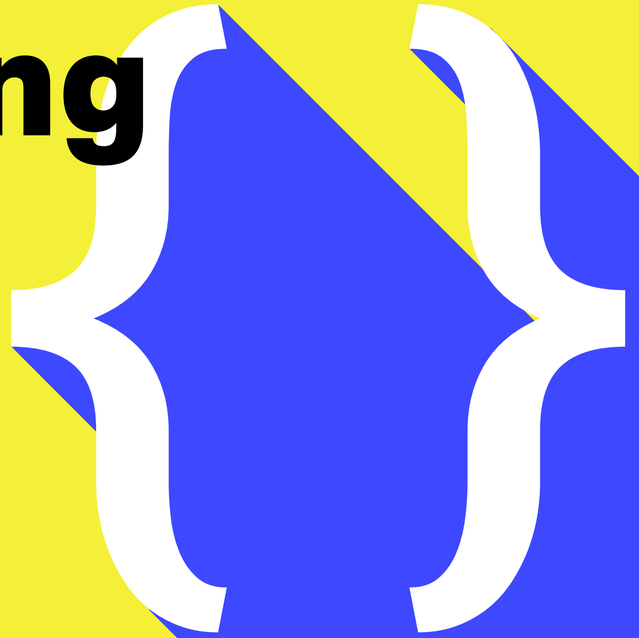


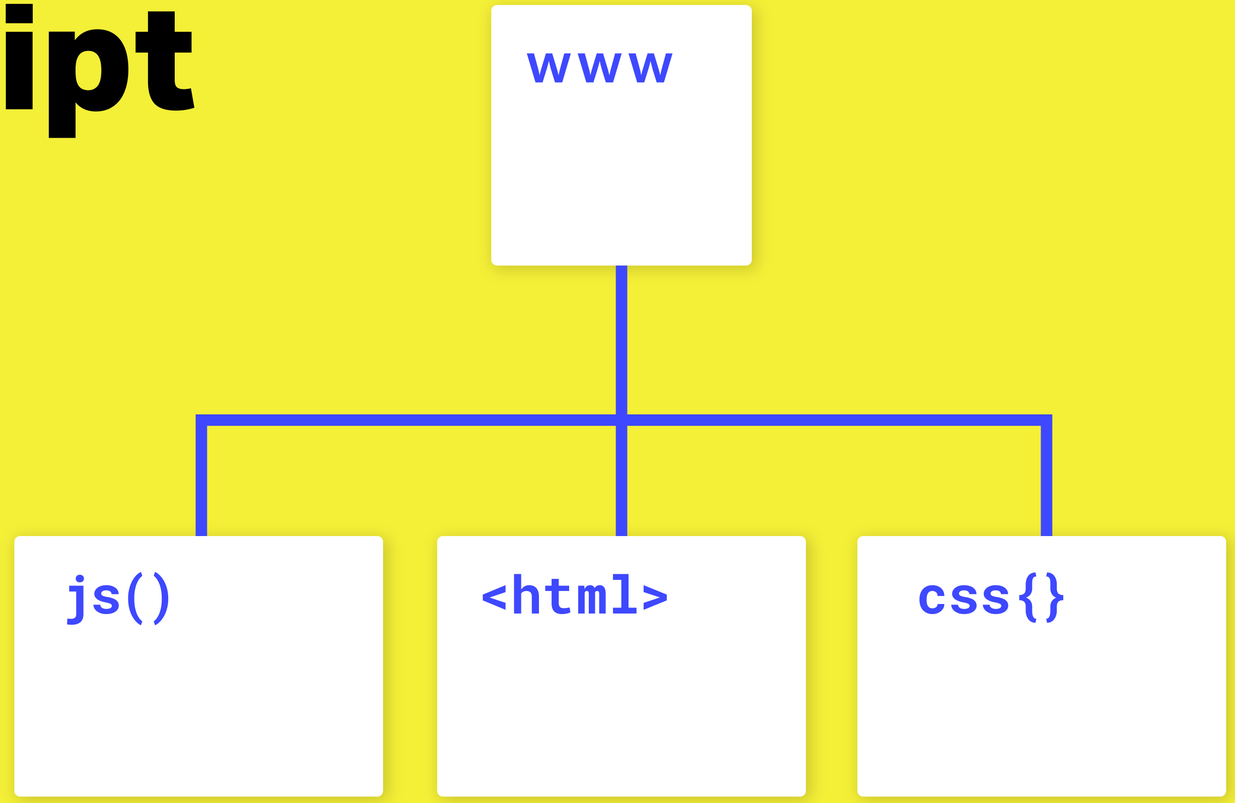
?

# Why Coding

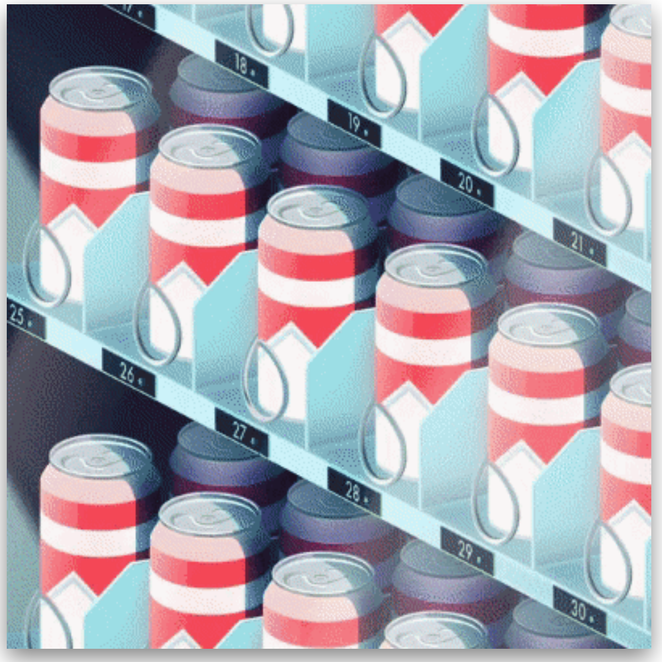


?

# WhyJavascript



# Coding feels like . . .

# … and sometimes

## Get Started

# Code Editor

Get Started

# Download

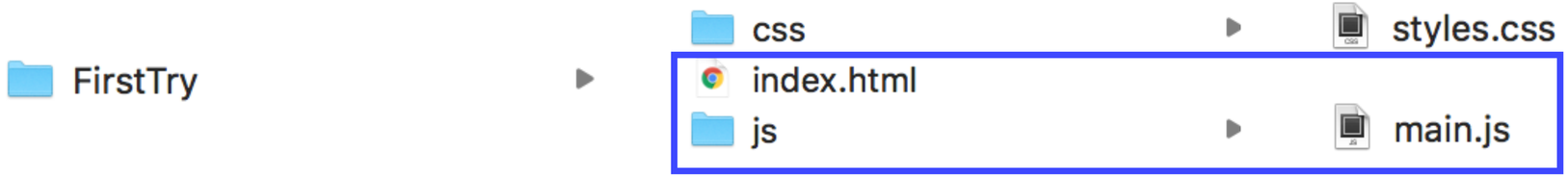
https://www.sublimetext.com/

https://www.sublimetext.com/3

https://github.com/janiswalser/Tutorium_18-19

Get Started

# Structure



## Get Started

# Implement .js

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">

    // Your Title
    <title>prototype</title>

    // Add Library
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>

    // Add your javascript file
    <script src="js/main.js"></script>

    // Add your css file
    <link rel="stylesheet" href="css/styles.css">
  </head>

  <body>
    // write your html elements
  </body>

</html>
```

Javascript

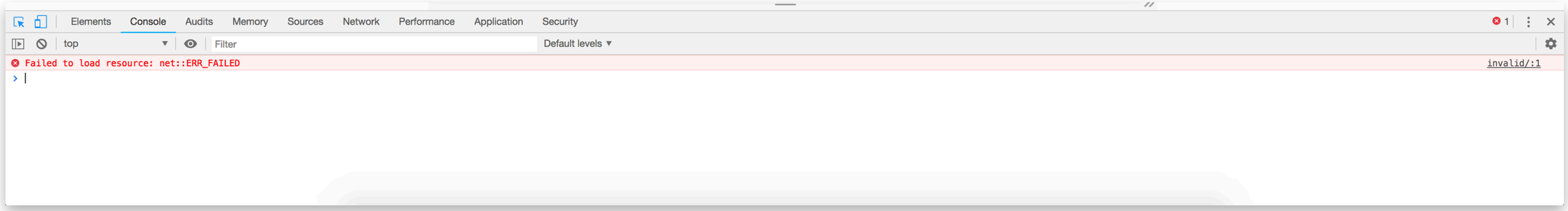
# Basics

## Basics

# Your best friend – Console

```
console.log(„Hello World“)

alert(„Hello My Friend“)
```



## Basics

# Variables

```
var example1 = 7;

let example2 = 7.77;


console.log(example1);
```

## Basics

# Strings

```
//Strings

var name = „Dylan";

let name2 = "Max";
```

Basics

# Numbers challenge

```
let example3 = parseInt("33 World 22“);

let example4 = parseFloat('44 Dylan 33’);

let example5 = 55.3333.toFixed(0);

let example6 = 200.0.toFixed(2);
```

Basics

# Booleans

```
let example7 = true;

let example8 = false;
```

Basics

# Arrays

```
let example9 = ['programming', 'design', 'art'];

console.log(example9);

console.log(example9[0]);
```

## Basics

# Operators

| Operator | Description |
| --- | --- |
| + | Addition |
| - | Subtraction |
| * | Multiplication |
| ** | Exponentiation (ES6) |
| / | Division |
| % | Modulus (Division Remainder) |
| ++ | Increment |
| -- | Decrement |

## Basics

# Comparison Operators

| Operator | Description |
| --- | --- |
| == | equal to |
| === | equal value and equal type |
| != | not equal |
| !== | not equal value or not equal type |
| > | greater than |
| < | less than |
| >= | greater than or equal to |
| <= | less than or equal to |

## Basics

# Logical Operators

| Operator | Description |
| --- | --- |
| && | logical and |
| \|\| | logical or |
| ! | logical not |

Lets Go

# Your First Steps

First Steps

# Objects

```
let example12 = {
  firstName: "Dylan",
  lastName: "Israel"
};
```

## First Steps

# Objects

```
let example12 = {
  firstName: "Dylan",
  lastName: "Israel"
};
```

### Display some data

```
// At first write this ->     <p id="demo"></p>     <- in your html

document.getElementById("demo").innerHTML = example12.firstName + example12.lastName;
```

First Steps

# Functions

```
function myFunction(p1, p2) {
   return p1 * p2;
}

console.log(myFunction(4, 3));
```

First Steps

# Conditional Statements

- Use **if** to specify a block of code to be executed, if a specified condition is true
- Use **else** to specify a block of code to be executed, if the same condition is false
- Use **else if** to specify a new condition to test, if the first condition is false
- Use **switch** to specify many alternative blocks of code to be executed

# First Steps

# If

```
let hour = 10;


if (hour < 18) {
    console.log("Good day");
}
```

## First Steps

# if () {} else {}

```
let hour = 10;


if (hour == 12) {
    console.log("Good day");
} else {
  console.log("Fuck Monday");
}
```

## First Steps

# switch() {}

```
let studentAnswer = 'D';
switch(studentAnswer) {
  case 'A':
    console.log('A is wrong.');
    break;
  case 'B' :
    console.log('B is wrong.');
    break;
  case 'C':
    console.log('C is correct.');
    break;
  default:
    console.log('Not a real answer.');
}
```

First Steps

# Loops

```
for (let i = 0; i < 5; i++) {
  console.log(i);
}
```

## First Steps

# While

```
var count = 0;

while (count < 20) {

  count++;

}

console.log(count);
```