

OBJECTS

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AGENDA

- A quote I read
- A little challenge
- Objects
- Objects & the <template>

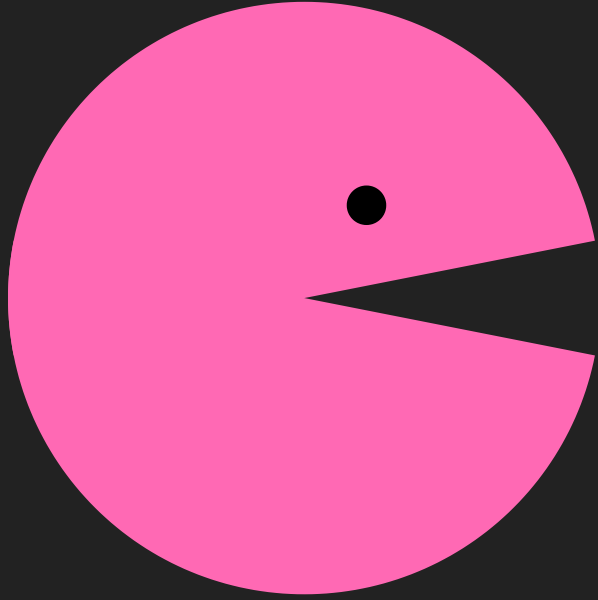
A QUOTE I
READ

The "smart" in a smartphone doesn't come from the computer chips, but from the people who program them.

Computers are the most powerful tools mankind has ever created, yet they're under-utilized because few people know how to unleash their full potential.

In a world where everything is a computer, the most important people are the programmers who can realise

A LITTLE CHALLENGE



How was this made?

Try using the inspector to figure it out

OBJECTS

What is an object?

1. It's a representation of something
2. It's an abstraction
3. It's a logical grouping
4. It's a data structure

You have already worked with a lot

```
document.querySelector("selector")
```


OBJECTS IN JAVASCRIPT

```
1 const car = {  
2   make: "Peugeot",  
3   model: "5008",  
4   wheels: 4,  
5   passengers: ["Jonas", "Gitte", "Storm", "Birk", "liv"],  
6 };
```



Objects are created using { }

It has a set of property/value pairs,
separated by :
ended with a ,

WORKING WITH OBJECTS

Values are accessed using the . (dot) notation

```
1 const car = {  
2   make: "Peugeot",  
3   model: "5008",  
4   wheels: 4,  
5   passengers: ["Jonas", "Gitte", "Storm", "Birk", "liv"],  
6 };
```

```
1 const message = `Your car is a ${car.model}`;  
2  
3 const passenger = `The third passenger is ${car.passengers[2]}`
```

We often see arrays of objects, arrays in objects,
objects in objects etc

Learning to navigate these structures is important

Remember:

1. Objects / properties are accessed using `.`
2. Arrays are accessed using `[]`

HOW DO WE FIND ...

```
1  const books = [  
2    {  
3      name: "JavaScript & jQuery",  
4      author: "John Duckett",  
5      released: {  
6        year: 2014,  
7        month: 8,  
8      },  
9      reviews: [  
10       {  
11         author: "Hansi",  
12         rating: 8,  
13       },  
14       {  
15         author: "Po",  
16         rating: 6,  
17       },  
18     ],  
19   },  
20   {  
21     name: "Peppa Pig - My little pocket book",  
22     author: "Alvilda Anderson",  
23     released: {  
24       year: 2019,
```



OBJECTS &

THE

<template>

Combining object's with the <template> is easy (if we understood <template>'s the first time)

```
1 <section id="cars"></section>
2
3 <template id="carTemplate">
4   <article class="car">
5     <h1>MAKE - MODEL</h1>
6     <p class="price">Price: <span></span>dkr</p>
7   </article>
8 </template>
```

```
1 const car = {
2   make: "Peugeot",
3   model: "5008",
4   price: 40000,
5 };
6 const template = document.querySelector("#carTemplate").content
7 const clone = template.cloneNode(true);
8 clone.querySelector("h1").textContent = `${car.make} - ${car.m
9 clone.querySelector(".price span").textContent = car.price;
10 document.querySelector("#cars").appendChild(clone);
```

EXERCISE

Frontier: "2. Cloning / Templating"

YOUR +5

1. Task: "3. CSS Diner"
2. Task: "4. Read tomorrows slides"
3. Article: Labels are a last resort
4. Article: Steve Schoeger Tweets
5. Video: "The Google History of a High-Paid Sr. Engineer"