



JONAS.IO  
SCHMEDTMANN

# THE COMPLETE JAVASCRIPT COURSE

FROM ZERO TO EXPERT!



@JONASSCHMEDTMAN

## SECTION

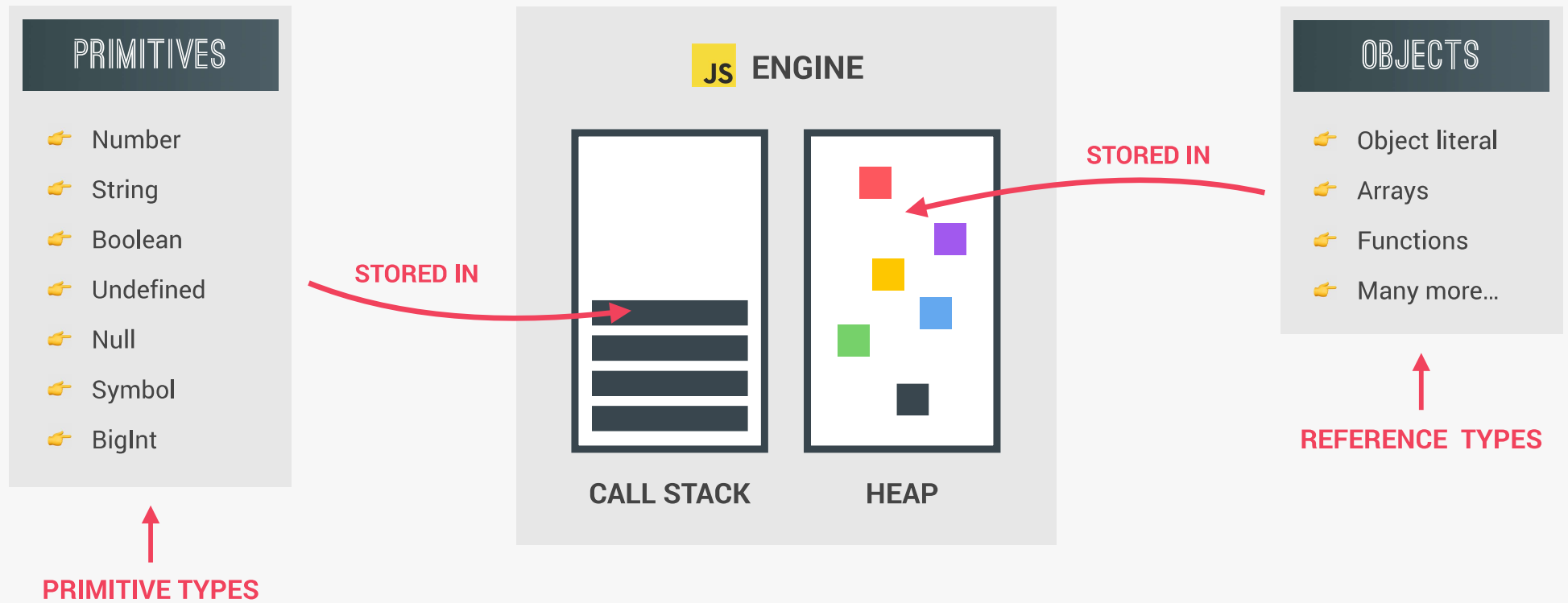
HOW JAVASCRIPT WORKS BEHIND THE  
SCENES

## LECTURE

PRIMITIVES VS. OBJECTS (PRIMITIVE  
VS. REFERENCE TYPES)

JS

# REVIEW: PRIMITIVES, OBJECTS AND THE JAVASCRIPT ENGINE



# PRIMITIVE VS. REFERENCE VALUES

## 👉 Primitive values example:

```
let age = 30;
let oldAge = age;
age = 31;
console.log(age); // 31
console.log(oldAge); // 30
```

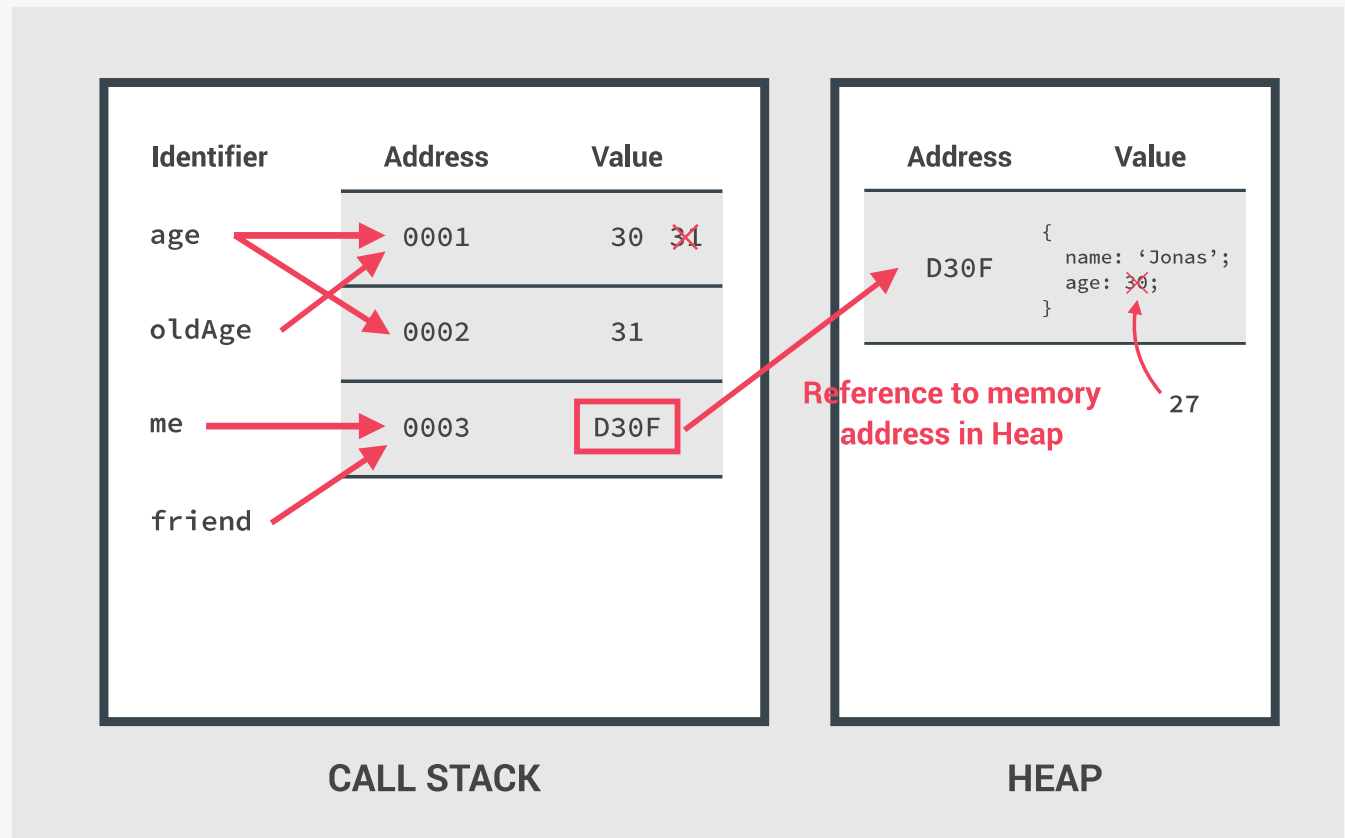
## 👉 Reference values example:

```
const me = {
  name: 'Jonas',
  age: 30
};
const friend = me;
friend.age = 27;




console.log('Friend:', friend);
// { name: 'Jonas', age: 27 }

console.log('Me:', me);
// { name: 'Jonas', age: 27 }
```

No problem, because we're NOT changing the **value** at address 0003!



## "HOW JAVASCRIPT WORKS BEHIND THE SCENES" TOPICS FOR LATER...

- 1 Prototypal Inheritance**  Object Oriented Programming (OOP) With JavaScript
- 2 Event Loop**  Asynchronous JavaScript: Promises, Async/Await and AJAX
- 3 How the DOM Really Works**  Advanced DOM and Events