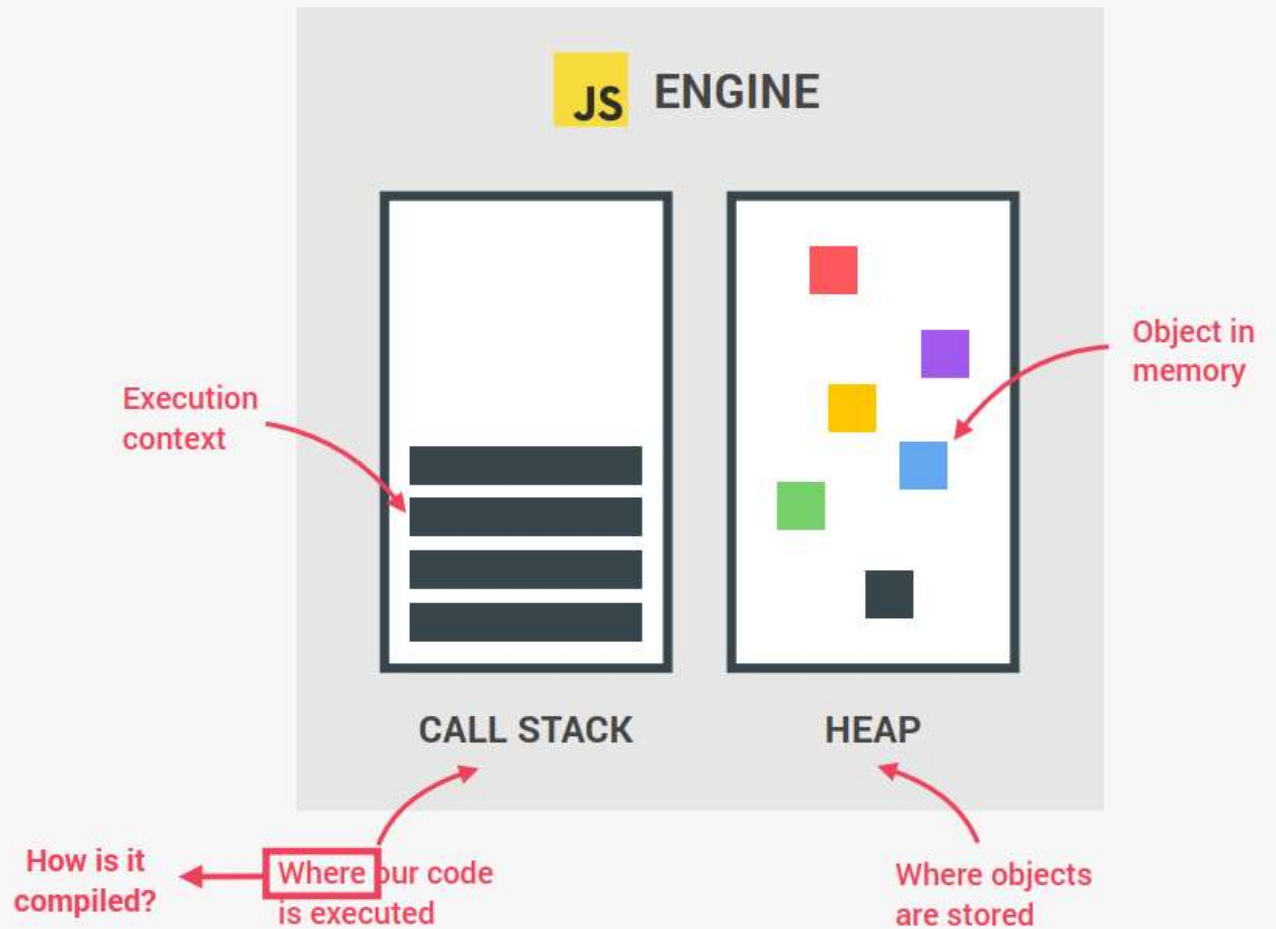


WHAT IS A JAVASCRIPT ENGINE?

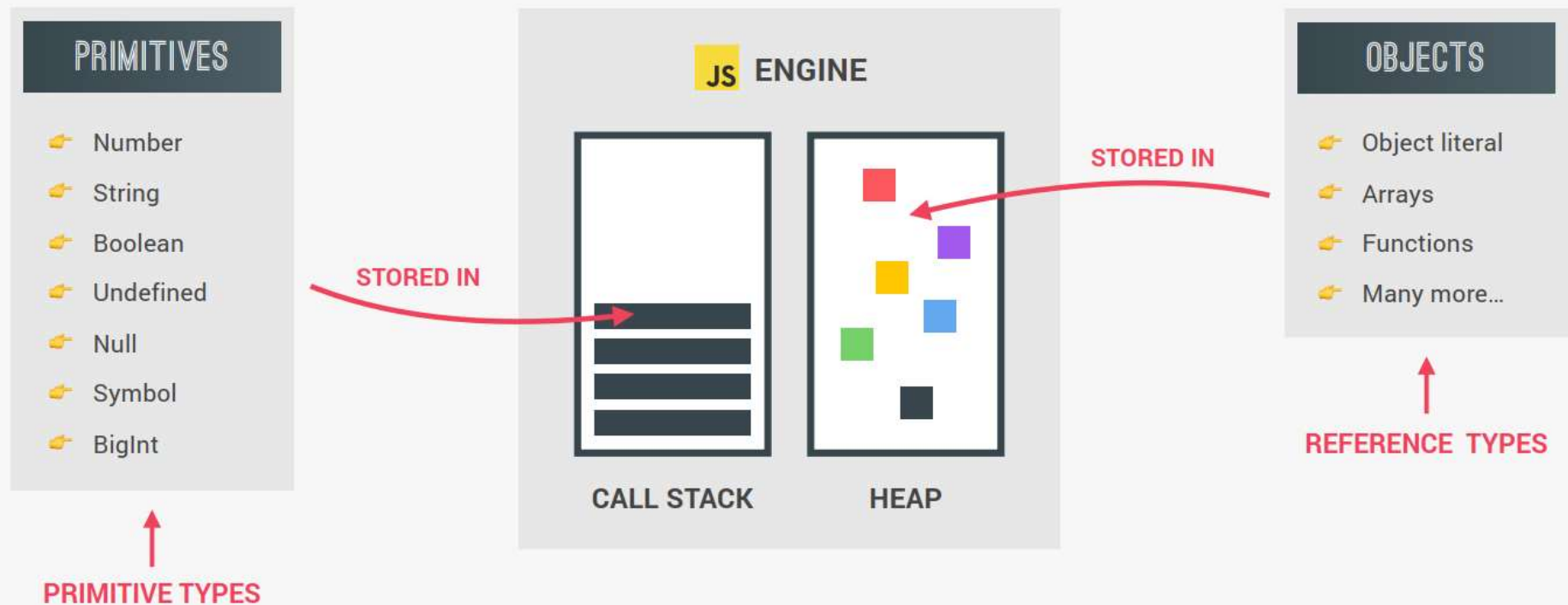
JS ENGINE

PROGRAM THAT **EXECUTES**
JAVASCRIPT CODE.

👉 Example: V8 Engine



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!

