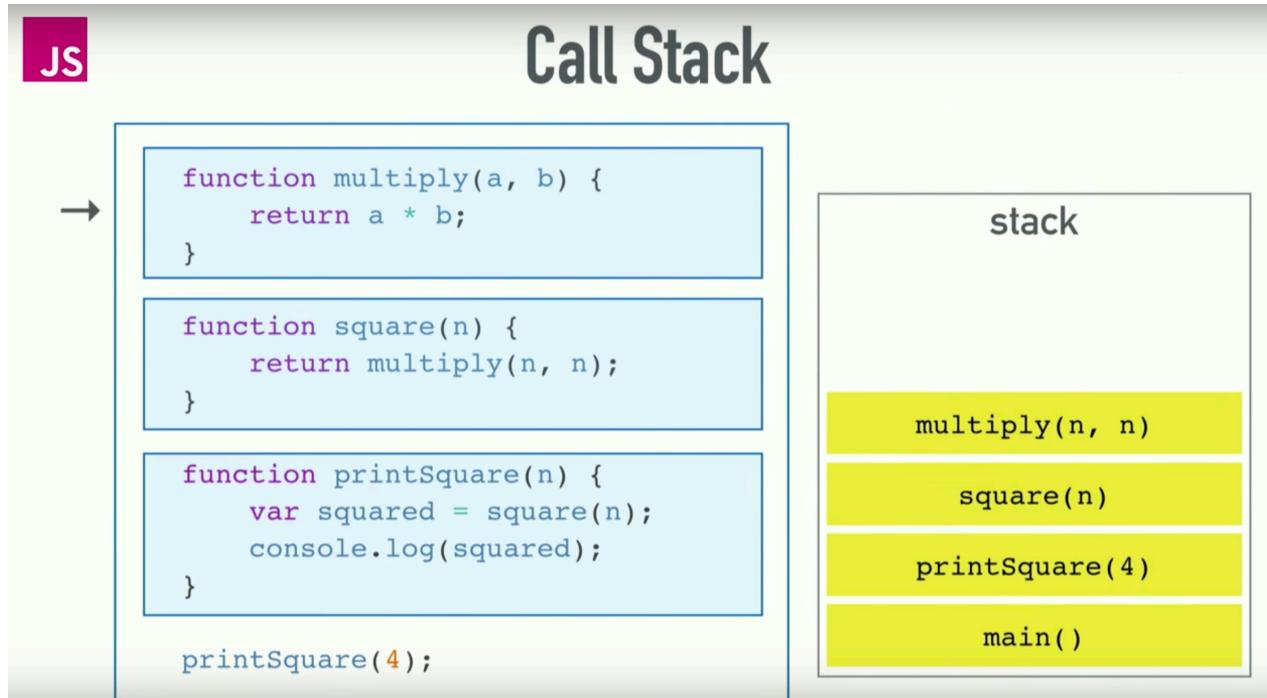


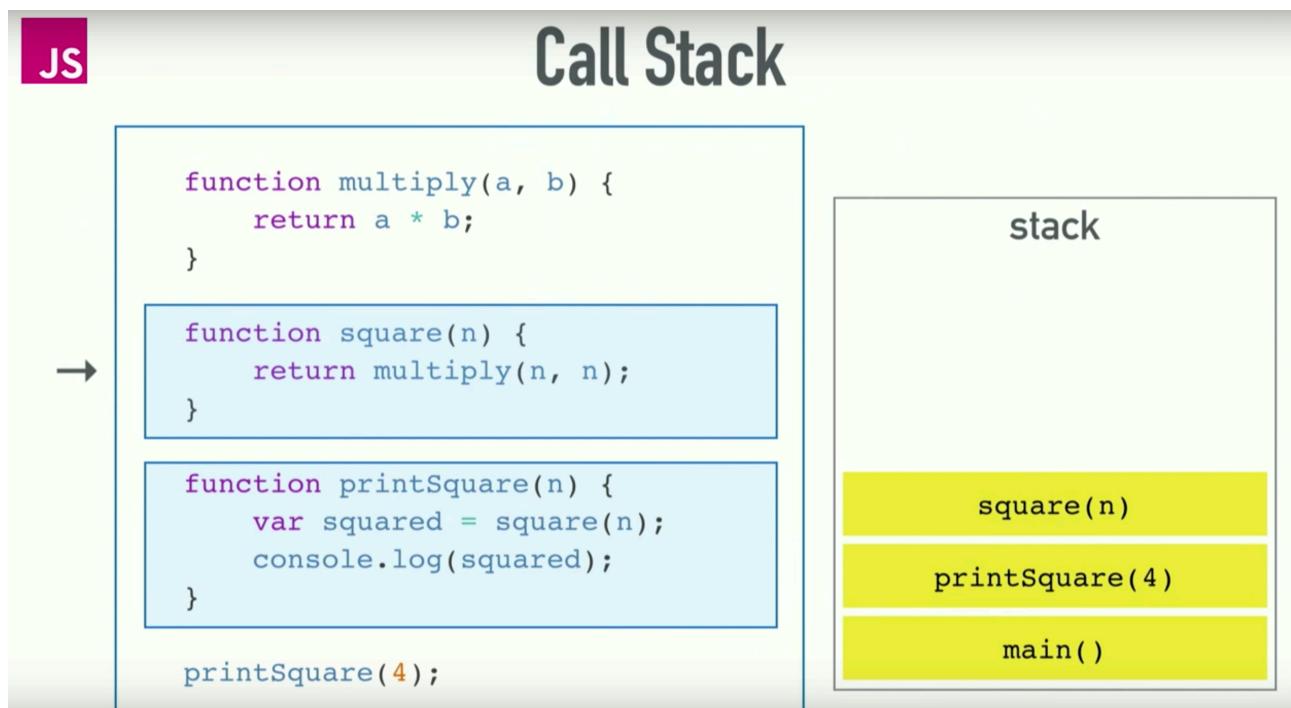
Event Loop

Call Stack explained

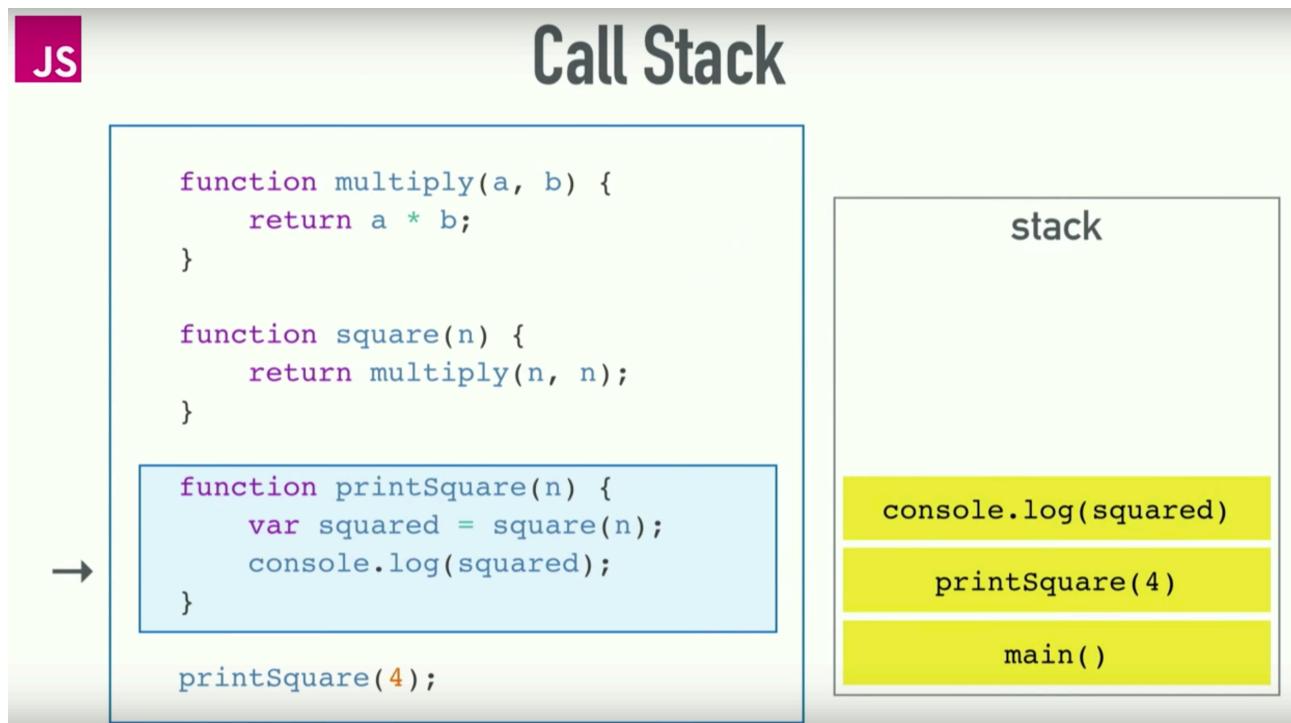
De call stack wordt opgebouwd



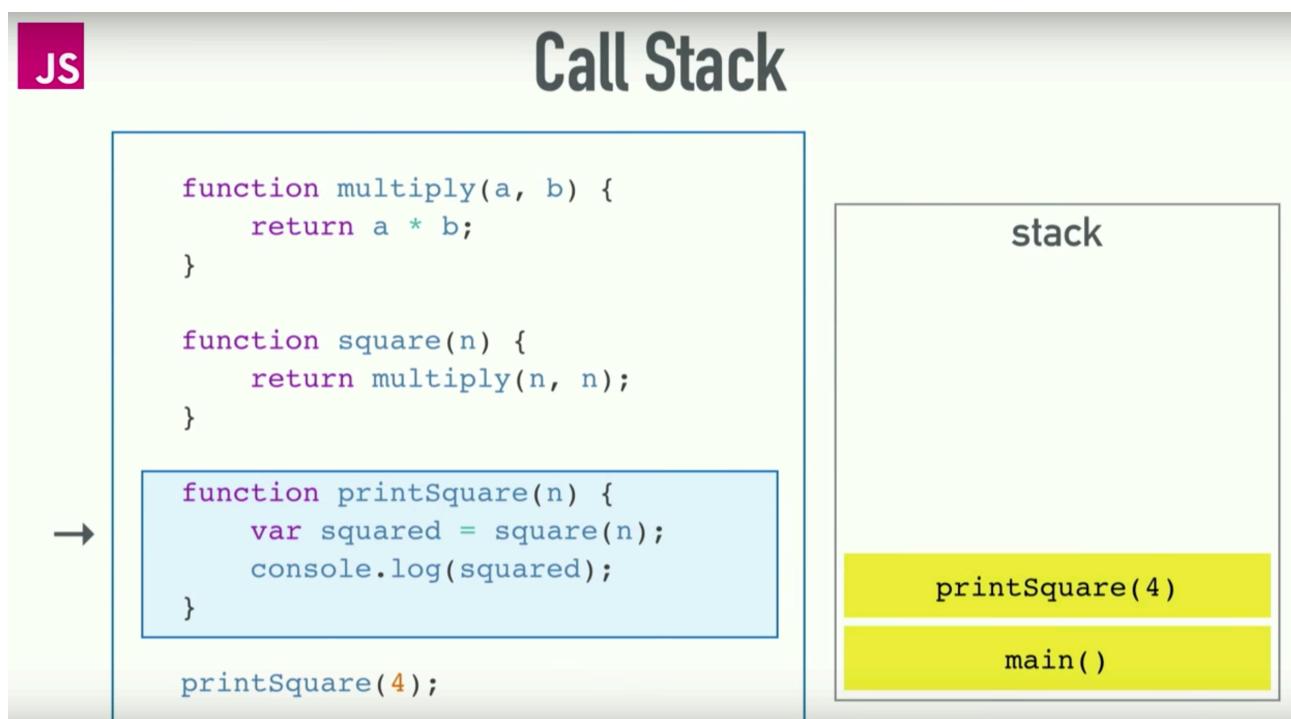
Multiply is uitgevoerd en Square wordt afgeweerd



Log van printSquare komt in de call stack



De printSquare functie wordt uitgevoerd



En de call stack is leeg want alle events zijn gevuurrd

JS

Call Stack

```
function multiply(a, b) {
    return a * b;
}

function square(n) {
    return multiply(n, n);
}

function printSquare(n) {
    var squared = square(n);
    console.log(squared);
}

printSquare(4);
```

stack

Async callstack gaat ietwat anders

Hi komt in de call stack

JS

Async Callbacks & The Call Stack?

```
console.log('hi');

setTimeout(function () {
    console.log('there');
}, 5000);

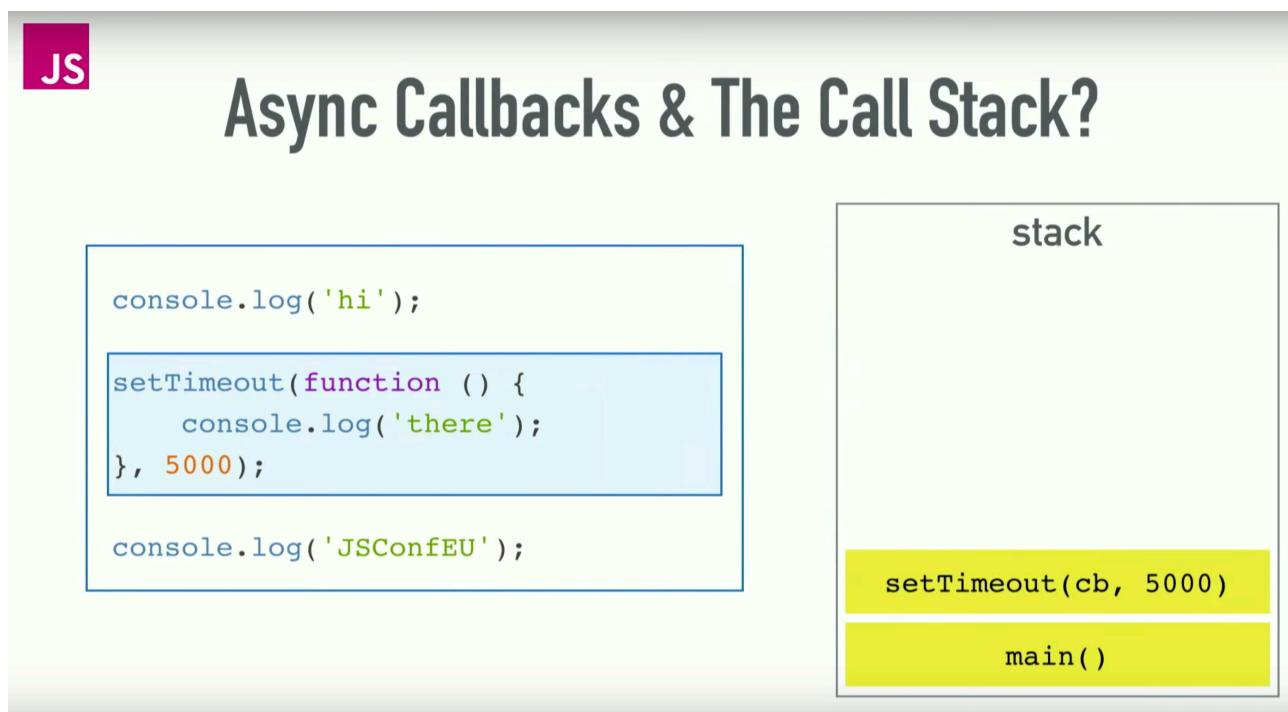
console.log('JSConfEU');
```

stack

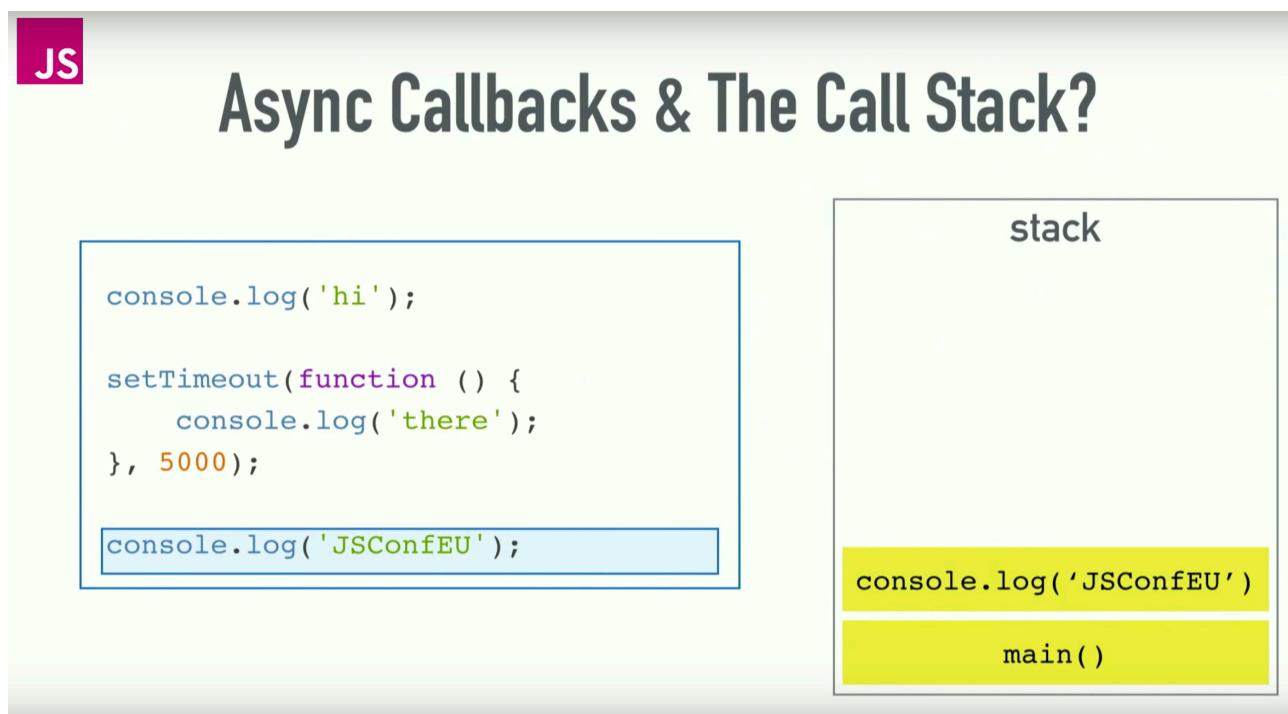
console.log('hi')

main()

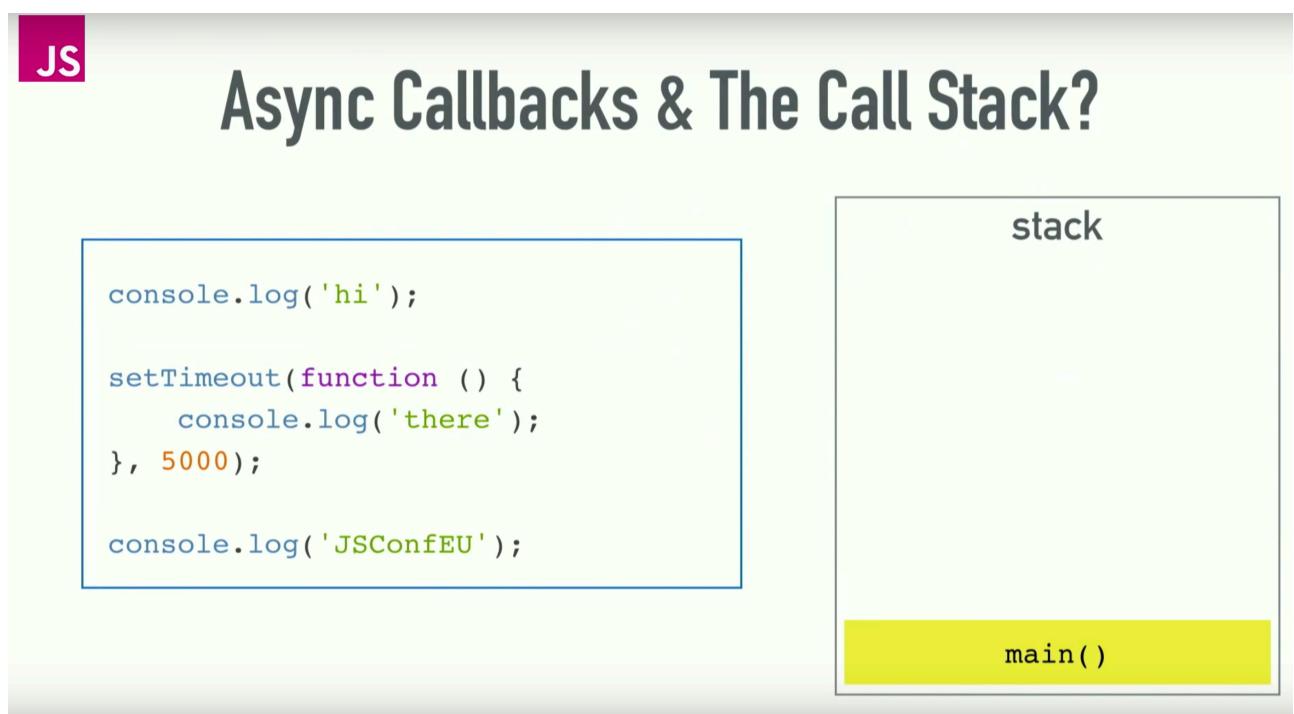
**De setTimeout functie komt in de call stack maar logt niks.
Hij wordt slechts uitgevoerd.**



Daarna volgt de log JSconfEU



De stack is leeg en alles is uitgevoerd



En na 5 seconden komt de 'there' log in de stack

