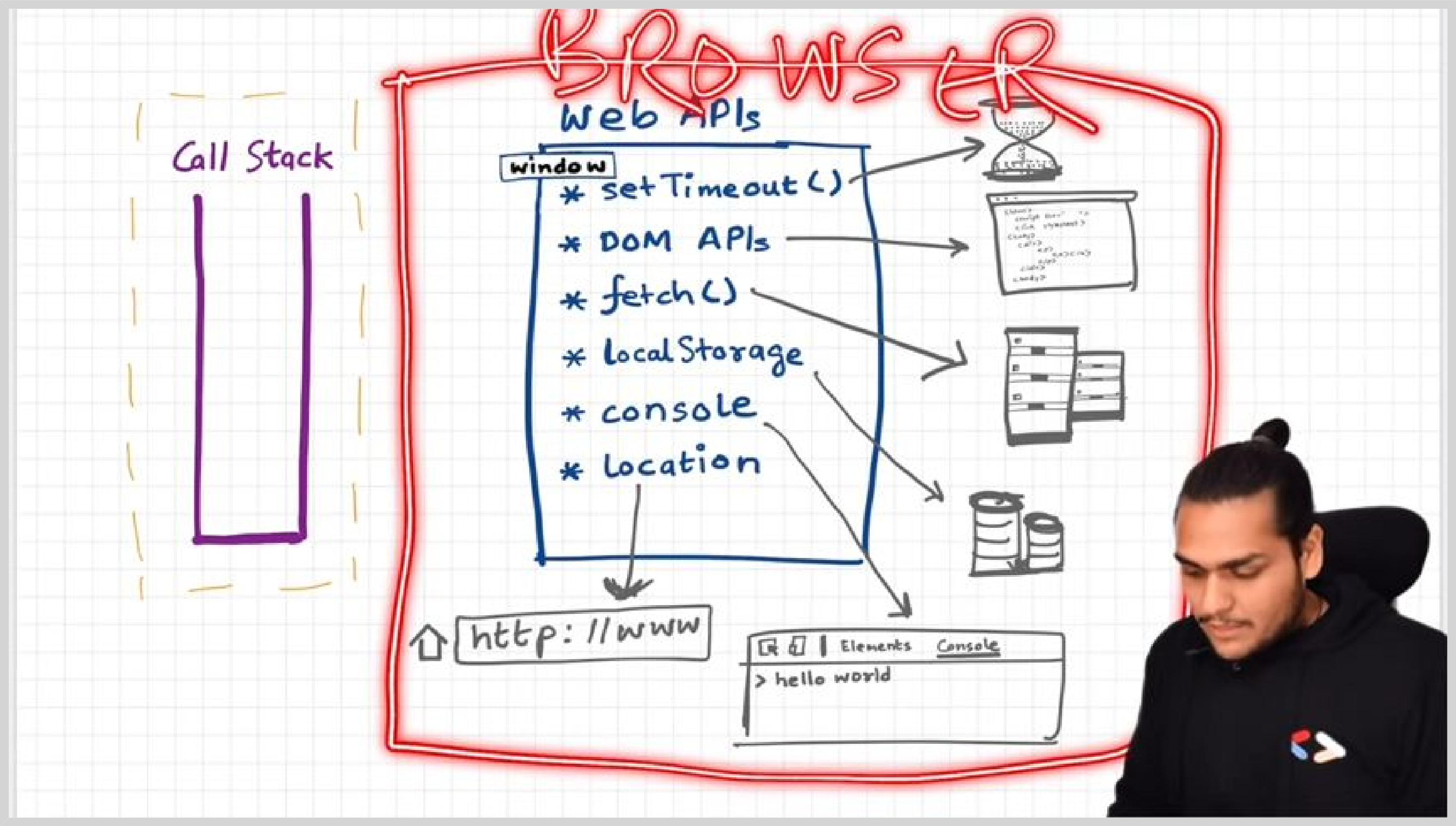
- JSis a synchronus Single threaded language.
- It has 1 CallStack & it can do only 1 thing at a time.
- This callStack is present inside the JSEngine.

"SETTIME OUT" is not a part of JS

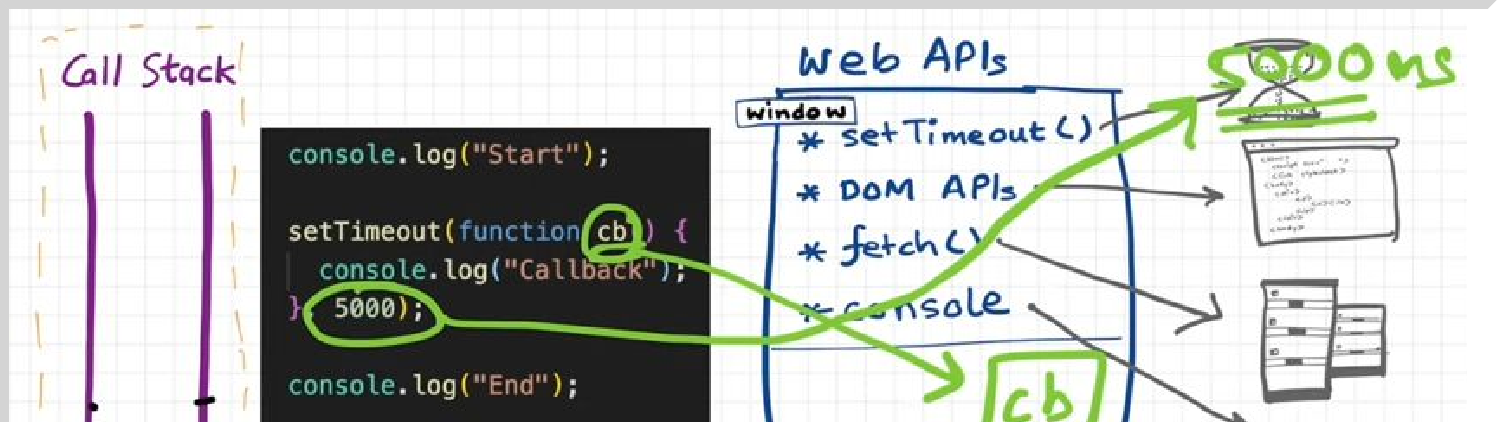
08:49



THESEAREPARTOF BROWSER

these super powers r given by the "browser" to the JSengine through the "window" object in the form of "Web API" which is the DOM API

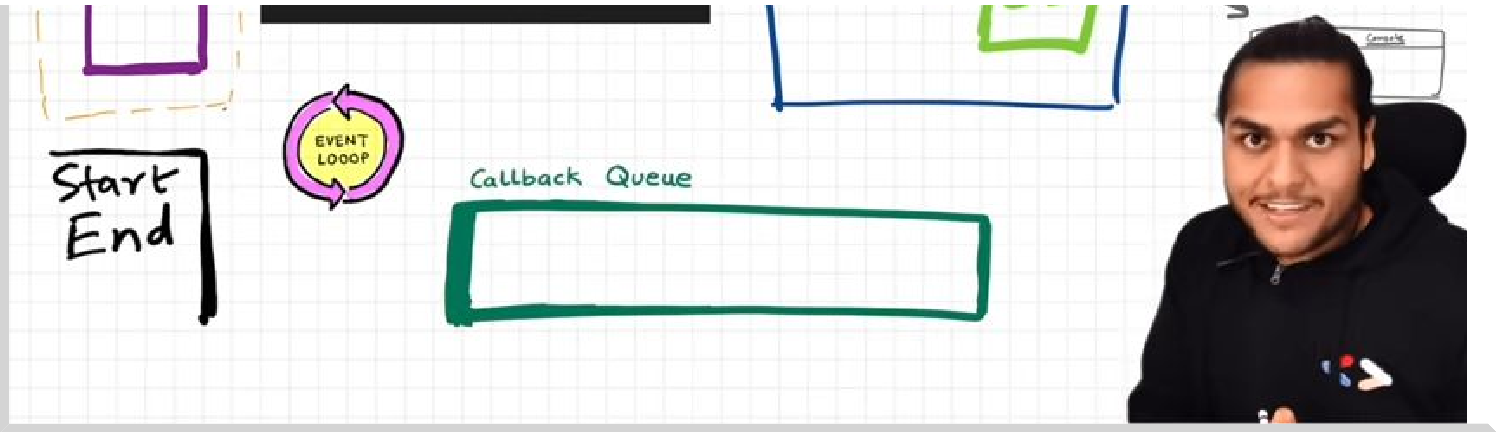
16:27



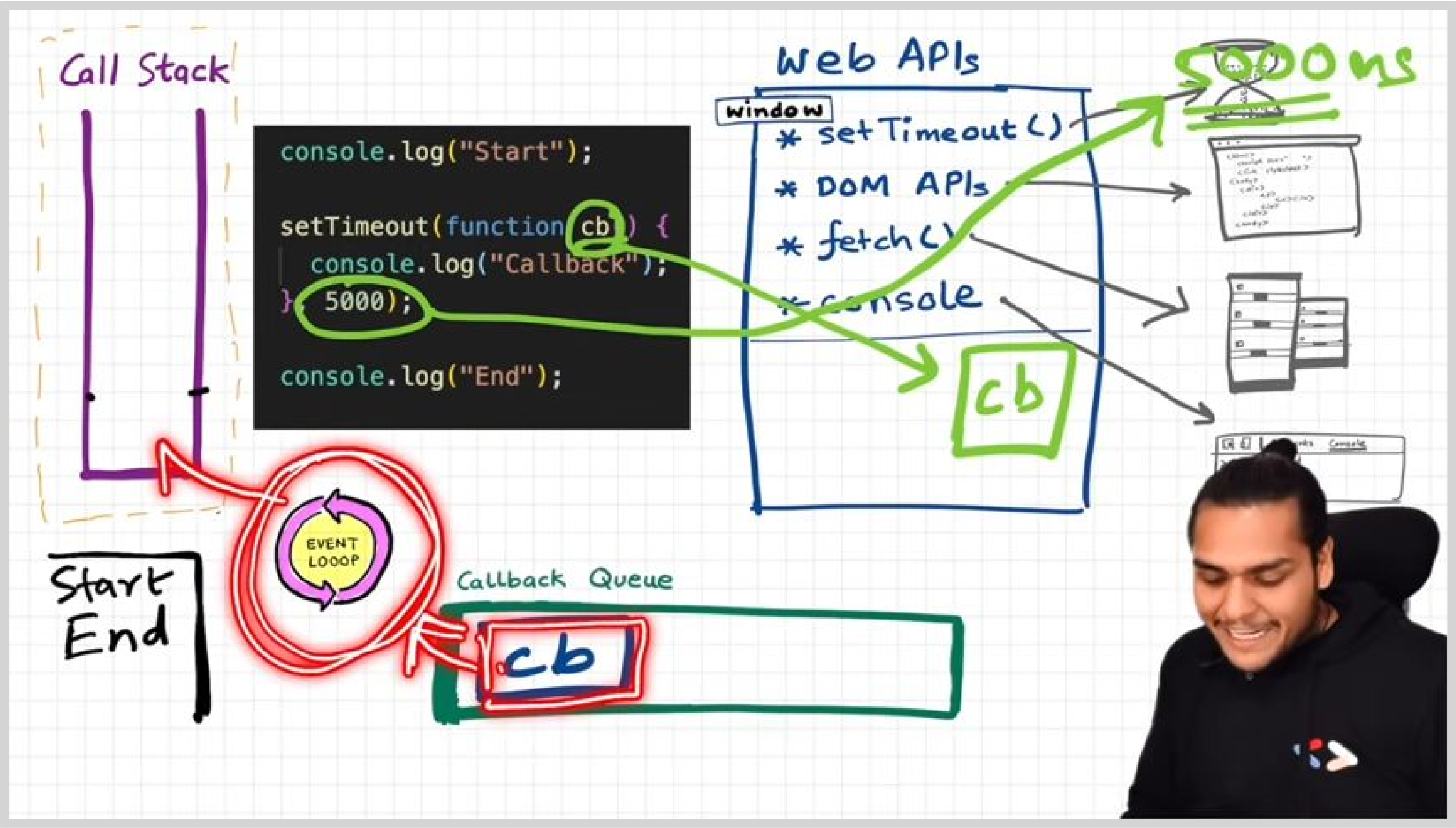
```
console.log("Start");

setTimeout(function cb() {
  console.log("Callback");
}, 5000);

console.log("End");
```



17:34



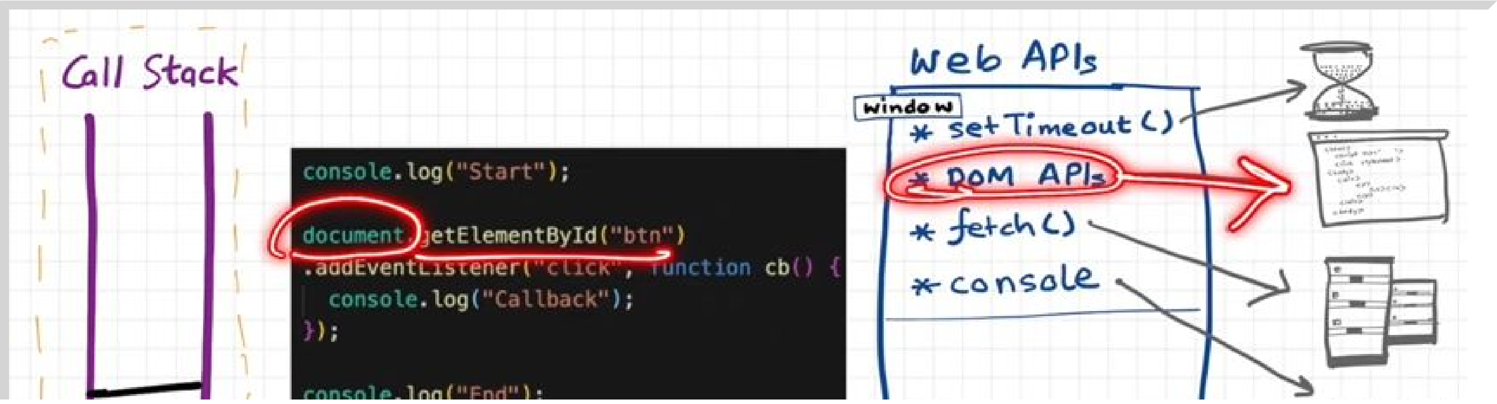
```
console.log("Start");

setTimeout(function cb() {
  console.log("Callback");
}, 5000);

console.log("End");
```

Event loop checks the callback Queue & if something is there, it pushes it to the Call Stack.

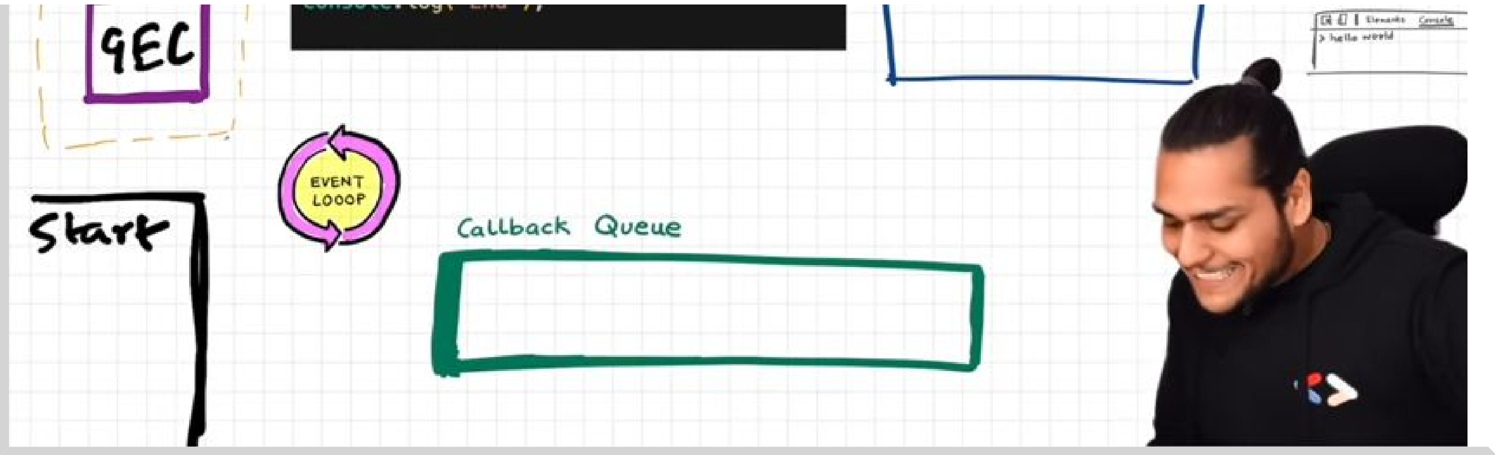
20:54



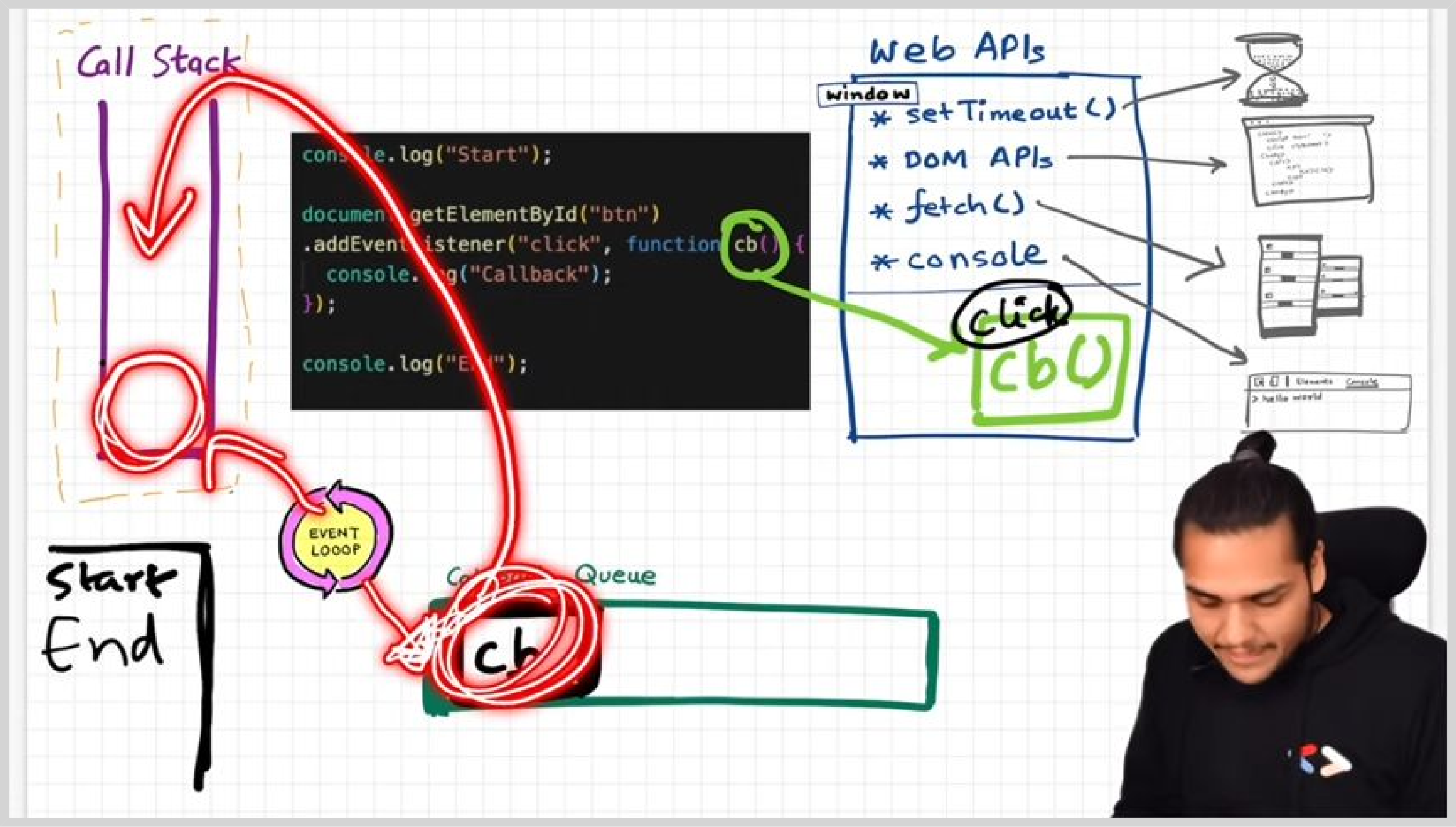
```
console.log("Start");

document.getElementById("btn")
.addEventListener("click", function cb() {
  console.log("Callback");
});

console.log("End");
```



24:20



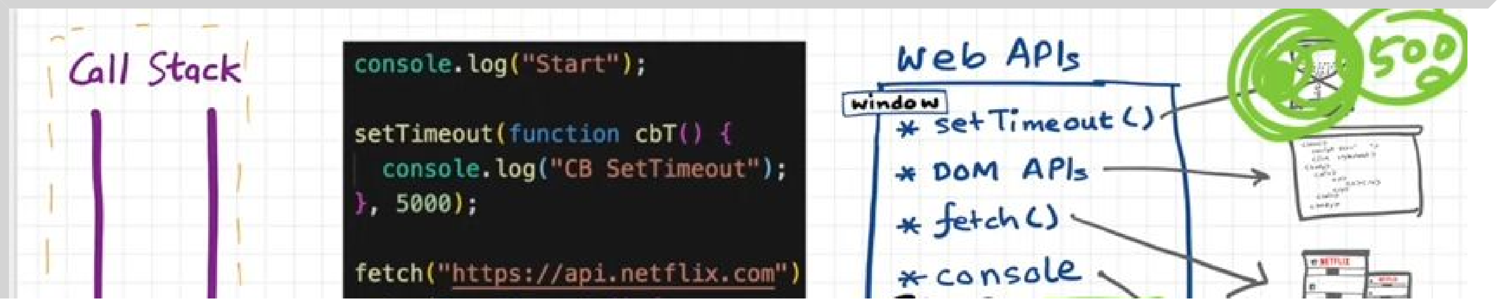
```
console.log("Start");

document.getElementById("btn")
.addEventListener("click", function cb() {
  console.log("Callback");
});

console.log("End");
```

fetch() makes an API request.

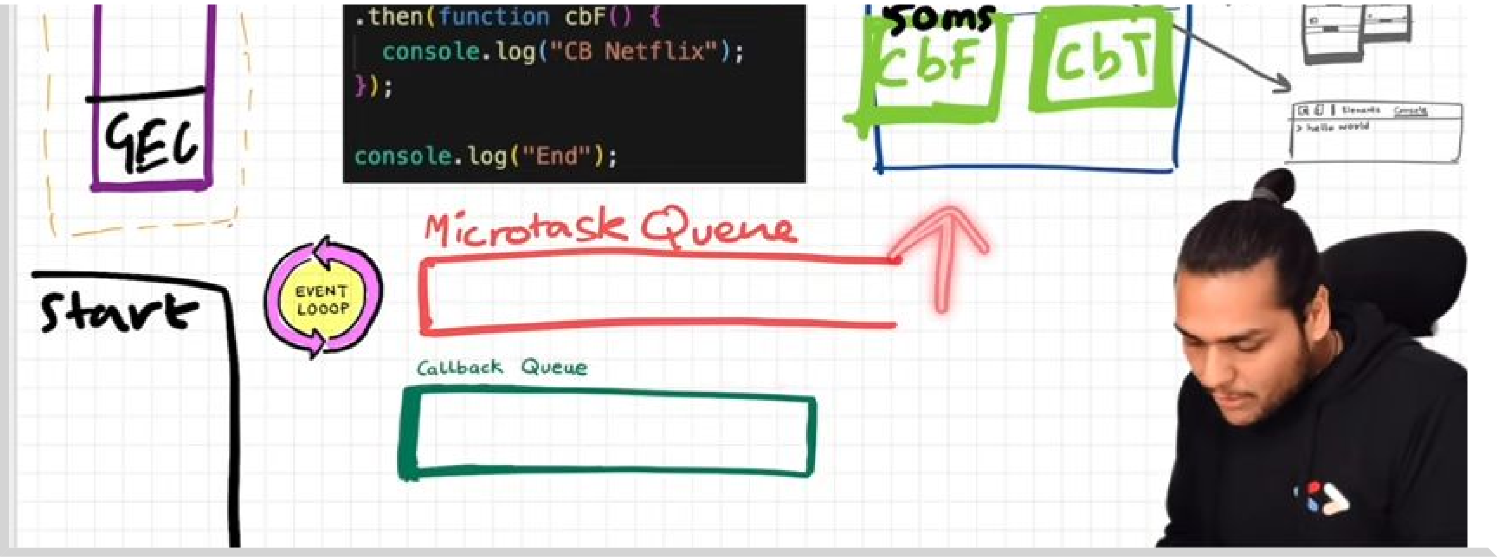
30:56



```
console.log("Start");

setTimeout(function cbT() {
  console.log("CB SetTimeout");
}, 5000);

fetch("https://api.netflix.com")
```

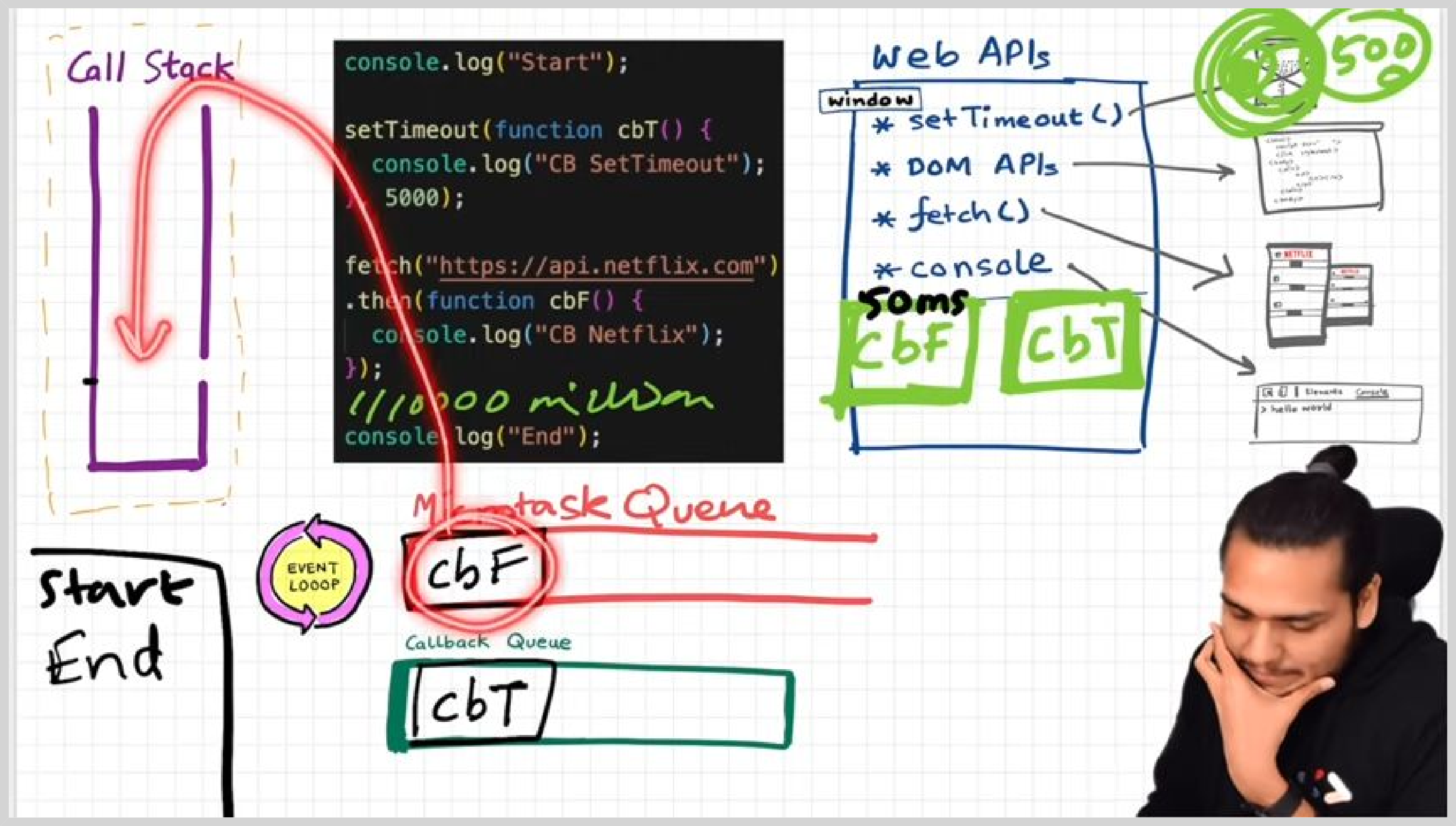


```
.then(function cbF() {
  console.log("CB Netflix");
});

console.log("End");
```

MICROTASKQUEUE has higher priority tha CallBack Queue.

34:26

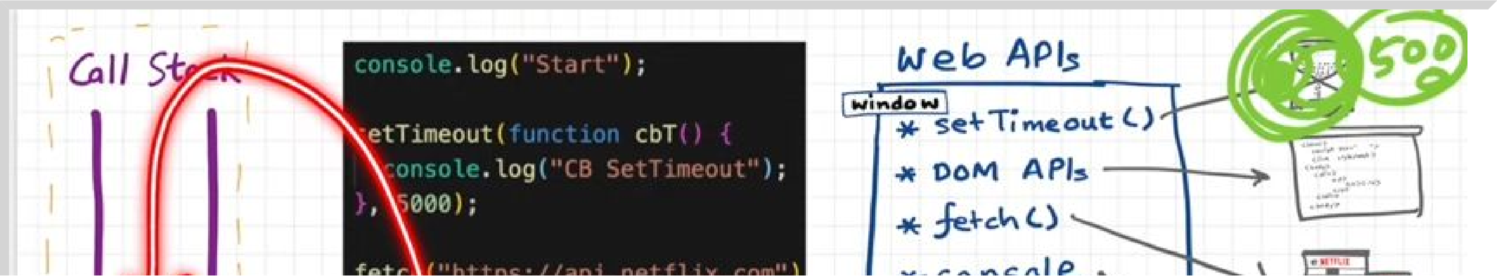


```
console.log("Start");

setTimeout(function cbT() {
  console.log("CB SetTimeout");
}, 5000);

fetch("https://api.netflix.com")
.then(function cbF() {
  console.log("CB Netflix");
});
//10000 million
console.log("End");
```

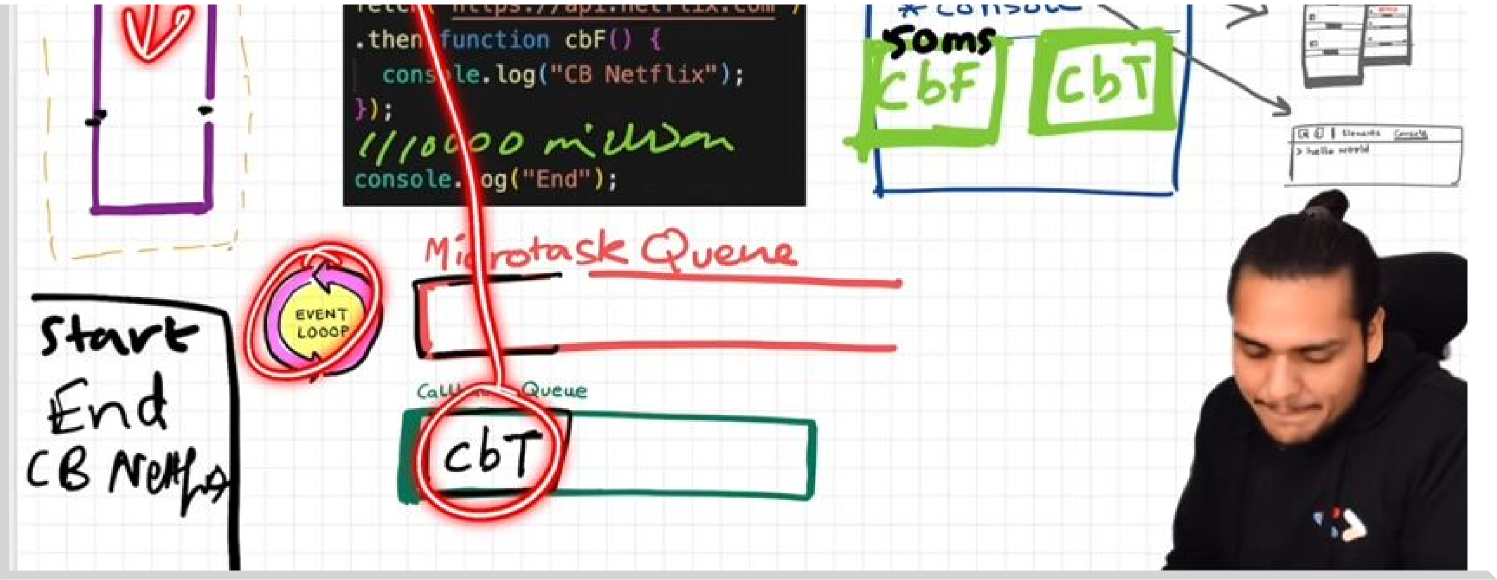
35:25



```
console.log("Start");

setTimeout(function cbT() {
  console.log("CB SetTimeout");
}, 5000);

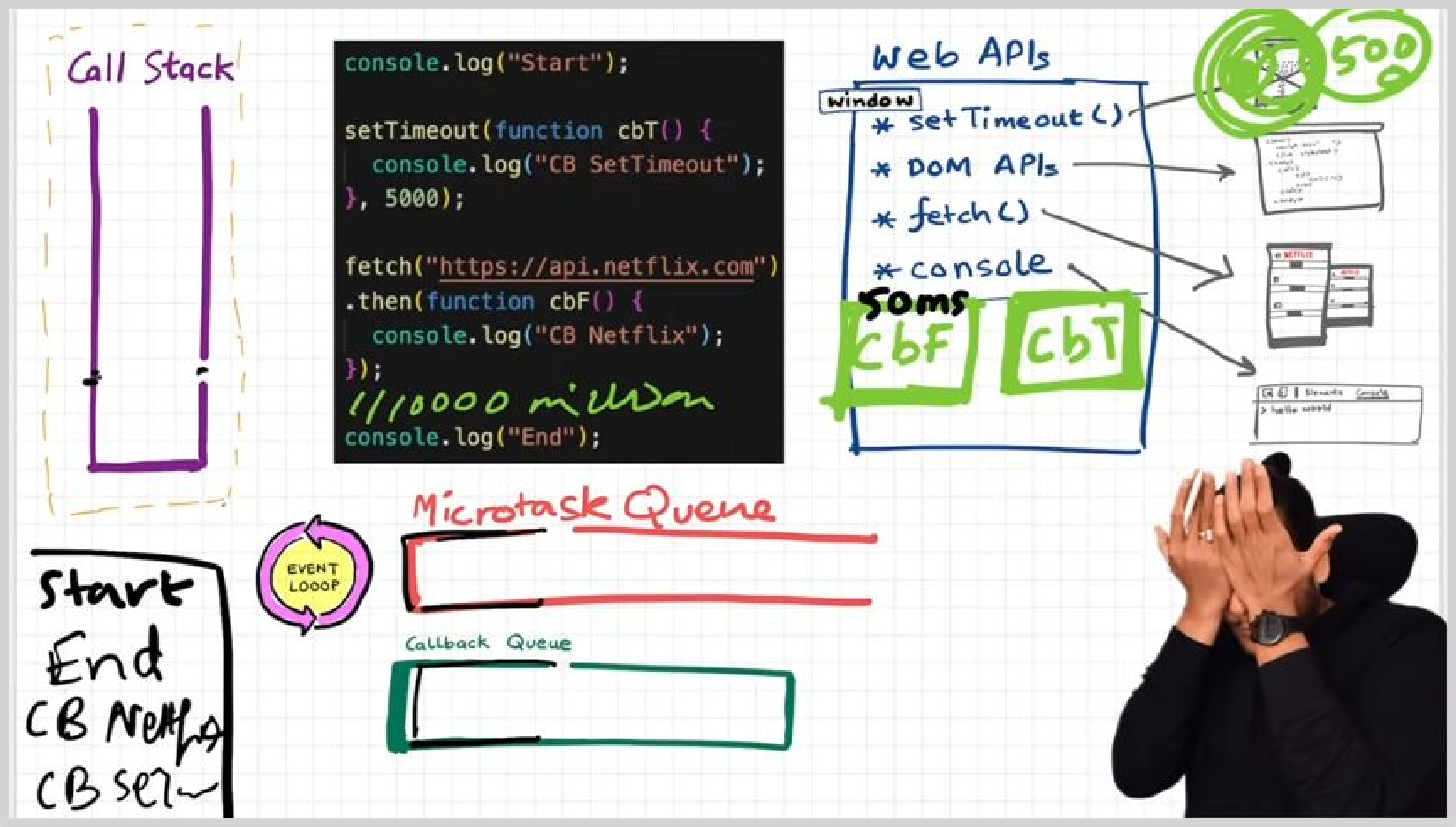
fetch("https://api.netflix.com")
```



```
.then(function cbF() {
  console.log("CB Netflix");
});
//10000 million
console.log("End");
```

```
Start
End
CB Netflix
```

35:49



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console.log("Start");

setTimeout(function cbT() {
  console.log("CB SetTimeout");
}, 5000);

fetch("https://api.netflix.com")
.then(function cbF() {
  console.log("CB Netflix");
});
//10000 million
console.log("End");
```

```
Start
End
CB Netflix
CB SetT
```

Q) WHAT CAN COME INSIDE THE "MICROTASK" QUEUE?

- All the callback functions which comes through promises, will go inside the microtask queue.

Call back queue r also known as TaskQueue.