

```
var g = 10;
```

```
doTask(); ✓ ✓  
console.log(g, a, b, c);
```

```

graph TD
    A["window/global/Global"] --> B["this"]
    B --> C["g = undefined"]
    C --> D["doTask = undefined"]
  
```

```

window/global/Global
this
g = 10
doTask = function() {...}

```

$C = 40$

```
this
a = 20
b = 30
```

```
this
a = undefined
b = undefined
```

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90	90
91	91
92	92
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95	95
96	96
97	97
98	98
99	99
100	100

SCOPE

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

setInterval(function timed() {
    console.log("timed!!!");
}, 1000);

document.addEventListener("click", function clicked() {
    console.log("clicked");
});

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

Stack

Hello

log

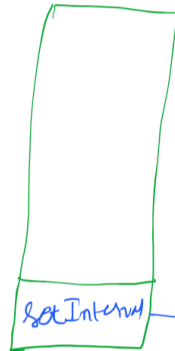
```
console.log("Hello");
```

```
setInterval(function timed() {  
  console.log("timed!!!");  
}, 1000);
```

```
document.addEventListener("click", function clicked() {  
  console.log("clicked");  
});  
console.log("Bye");
```

Stack

WEB API



setInterval --> timed(), 1000

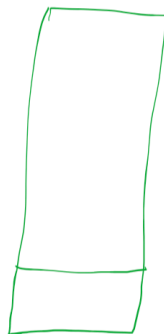
```
console.log("Hello");
```

```
setInterval(function timed() {  
  console.log("timed!!!");  
}, 1000);
```

```
document.addEventListener("click", function clicked() {  
  console.log("clicked");  
});  
console.log("Bye");
```

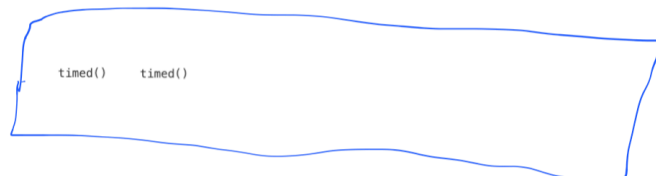
Stack

WEB API



setInterval --> timed(), 1000

CallbackQueue



```

console.log("Hello");

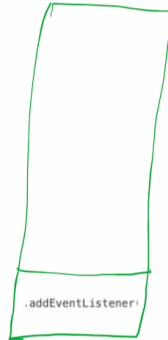
setInterval(function timed() {
  console.log("timed!!!");
}, 1000);

document.addEventListener("click", function clicked() {
  console.log("clicked");
});

console.log("Bye");

```

Stack

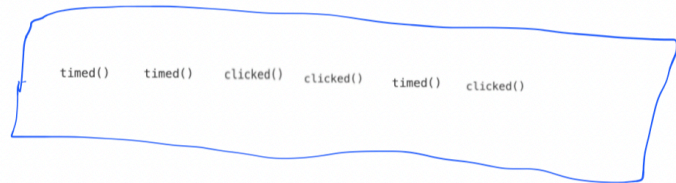


WEB API

setInterval → timed(), 1000

.addEventListener → "click", → clicked()

CallbackQueue



```

console.log("Hello");

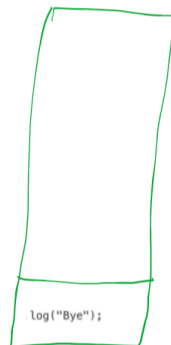
setInterval(function timed() {
  console.log("timed!!!");
}, 1000);

document.addEventListener("click", function clicked() {
  console.log("clicked");
});

console.log("Bye");

```

Stack



HELLO
BYE

Tick

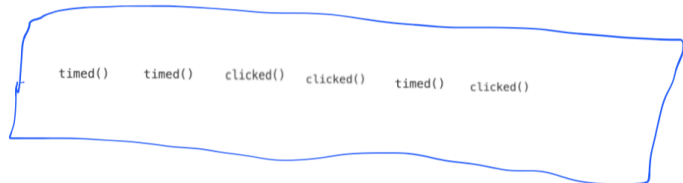


WEB API

setInterval → timed(), 1000

.addEventListener → "click", → clicked()

CallbackQueue



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

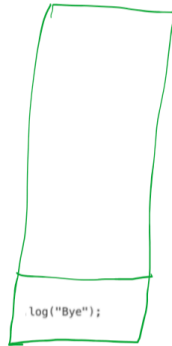
```
setInterval(function timed() {  
  console.log("timed!!!");  
}, 1000);
```

```
document.addEventListener("click", function clicked() {  
  console.log("clicked");  
});  
console.log("Bye");
```

Tick

Stack

HELLO
BYE



WEB API

setInterval --> timed(), 1000

.addEventListener --> "click", --> clicked()

CallbackQueue

