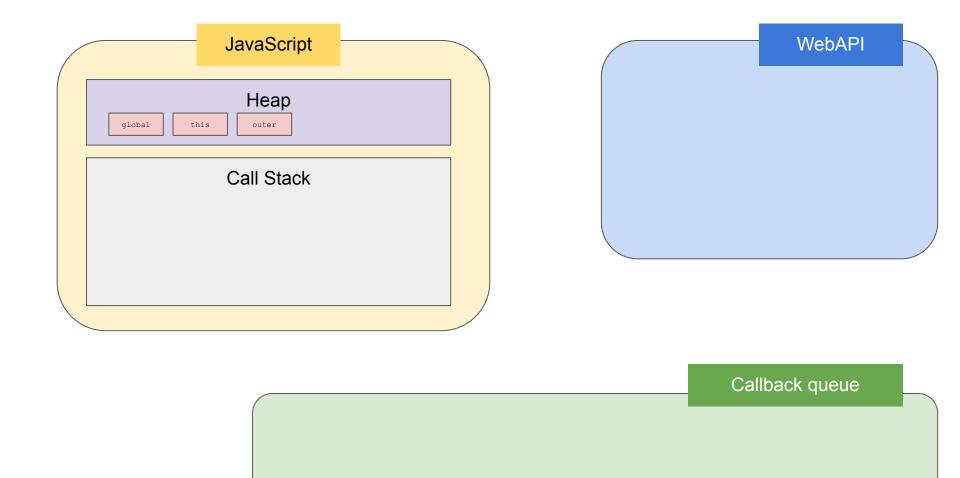
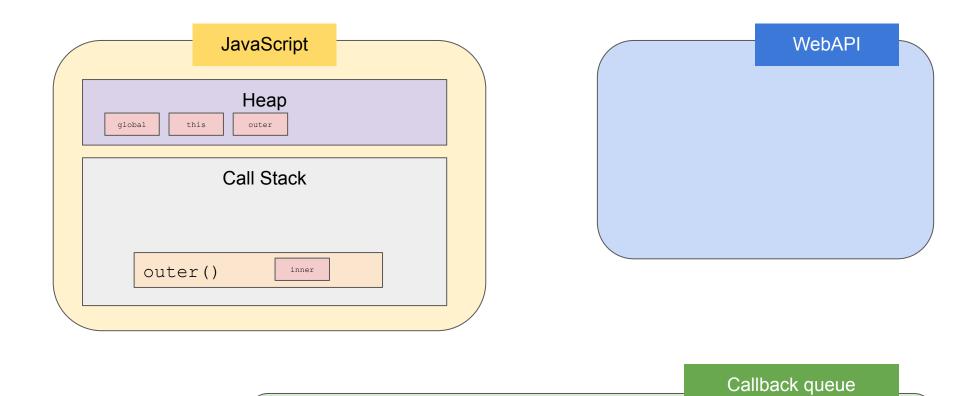
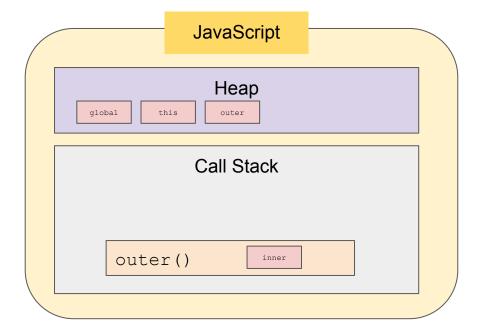
Javascript Runtime Engine

```
// Follow the thread of execution
function outer() {
  // timer is set to 10 milliseconds, once resolved the console.log is stored in the callback queue, then call stack
  // logs last, since it arrived last in the call back queue
  setTimeout(() => {
   console.log("Hello world")
  }, 10);
  function inner() {
   // Although the timer is zero, this log occurs after the statement below due to the event loop
   // 3) logs third, since it needed to wait in the call back queue
   setTimeout(() => {
      console.log("Are you listening?")
    // 1) logs first since it heads straight to the call stack
    console.log("Yes, I'm listening");
  inner();
  // 2) goes to the call stack then resolves
  console.log("I like turtles")
outer();
// console
// Yes, I'm listening
// I like turtles
// Are you listening?
```

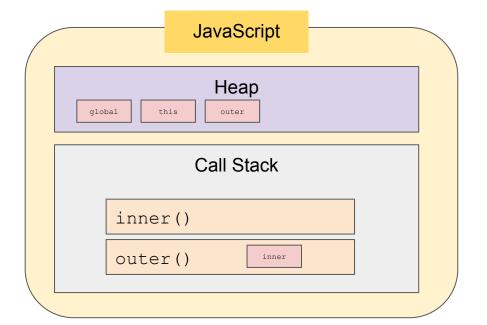
// Hello world







```
setTimeout(() => {
  console.log("Hello World")
}, 10)
```



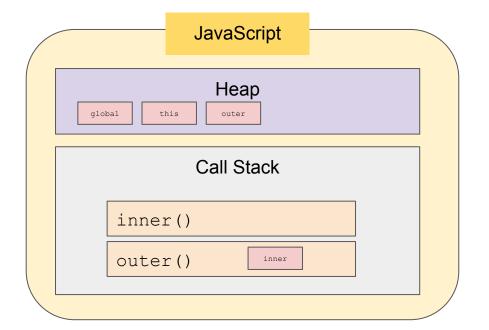
```
setTimeout(() => {
  console.log("Hello World")
}, 10)
```

JavaScript Heap global this outer Call Stack inner() outer() inner

WebAPI

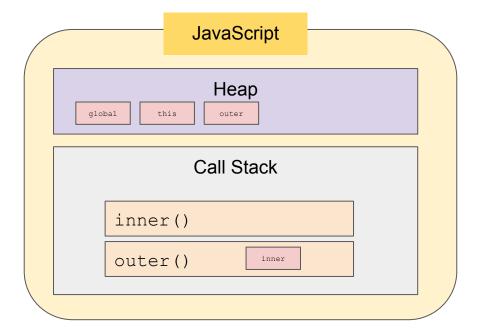
```
setTimeout(() => {
  console.log("Hello World")
}, 10)

setTimeout(() => {
  console.log("Are you listening")
}, 0)
```



```
setTimeout(() => {
  console.log("Hello World")
}, 10)
```

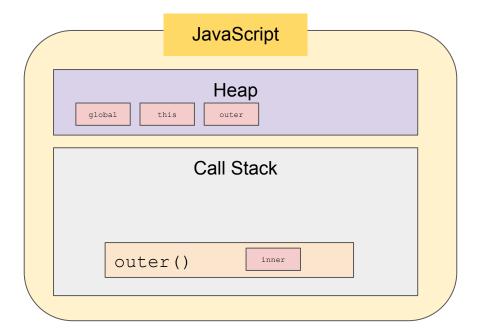
```
() => {
  console.log("Are you listening")
};
```



```
setTimeout(() => {
  console.log("Hello World")
}, 10)

console.log("Yes, I'm
  listening");
```

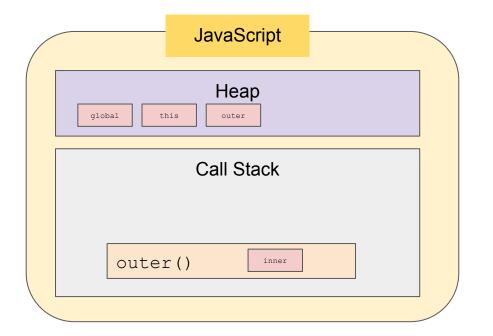
```
() => {
  console.log("Are you listening")
};
```



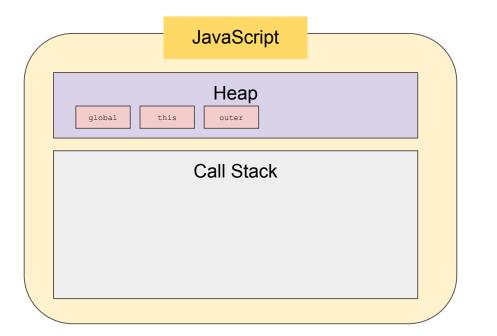
```
setTimeout(() => {
  console.log("Hello World")
}, 10)

console.log("I like
  turtles.");
```

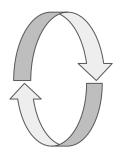
```
() => {
  console.log("Are you listening")
};
```





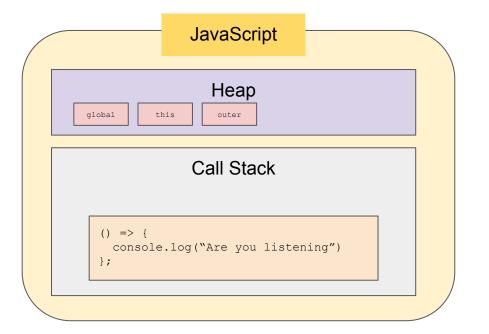






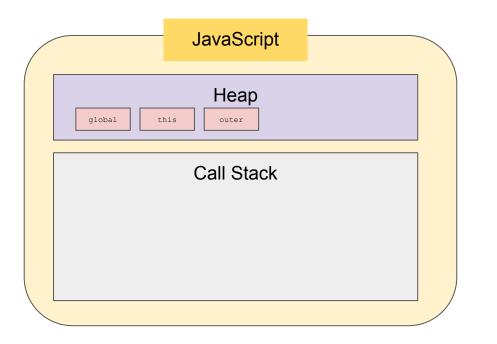
```
() => {
  console.log("Are you listening")
};

() => {
   console.log("Hello World")
};
```

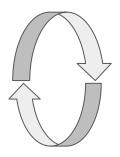




```
() => {
    console.log("Hello World")
};
```







() => {
 console.log("Hello World")
};

