

JavaScript Avançado I

3. JavaScript Assíncrono

Prof. Bruno Augusto Teixeira

JavaScript Avançado I

3.1 Promises

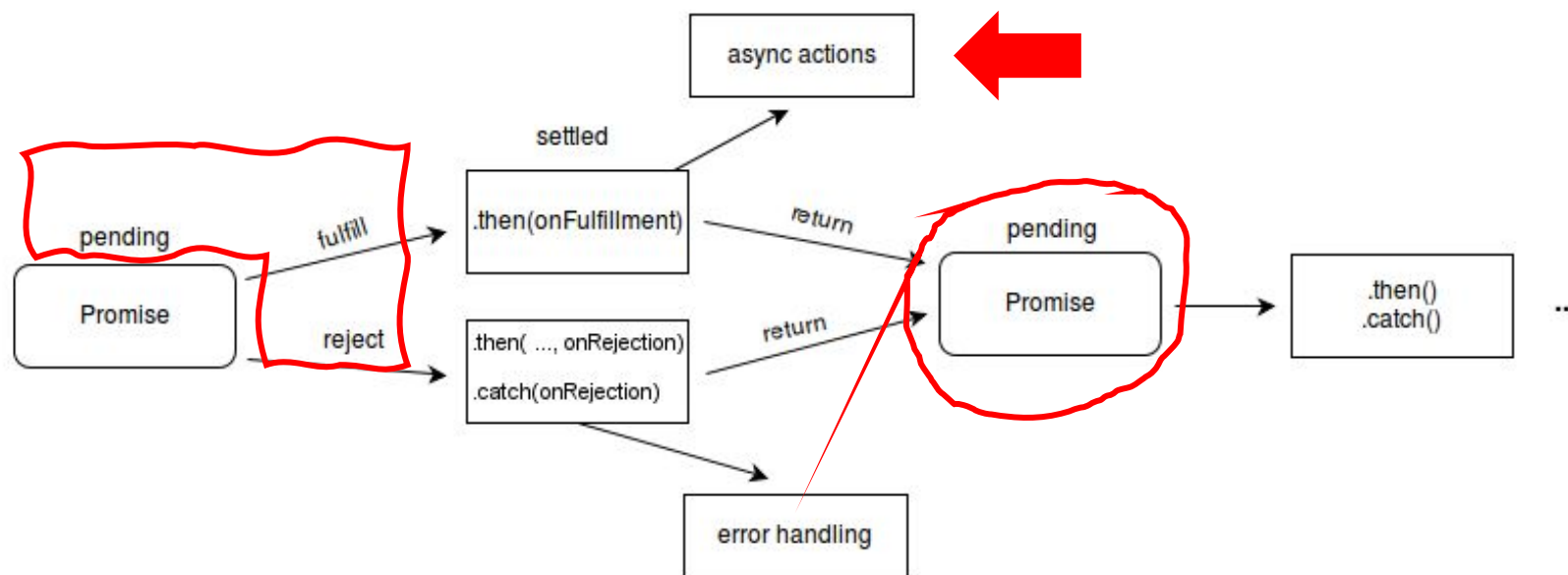
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Nesta aula



- ☐ Promises.

Promises



Conclusão



☒ Promises.

Próxima aula



- ❑ Promises API.

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3.2 Promises API

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- ❑ Promises API.

Promises API



- `Promise.resolve`
- `Promise.reject`
- `Promise.all`
- `Promise.allSettled`
- `Promise.race`
- `Promise.any`



Conclusão



☑ Promises API:

- `Promise.resolve`
- `Promise.reject`
- `Promise.all`
- `Promise.allSettled`
- `Promise.race`
- `Promise.any`

Próxima aula



- ❑ Event Loop.

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3.3 Event Loop

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- ❑ Event Loop.

Event Loop

STACK



```
console.log('Início');  
  
setTimeout(function getLog() {  
  console.log('Aguarde');  
}, 5000);  
  
console.log('Fim');
```

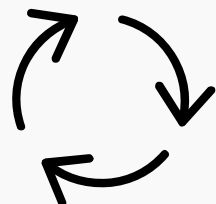
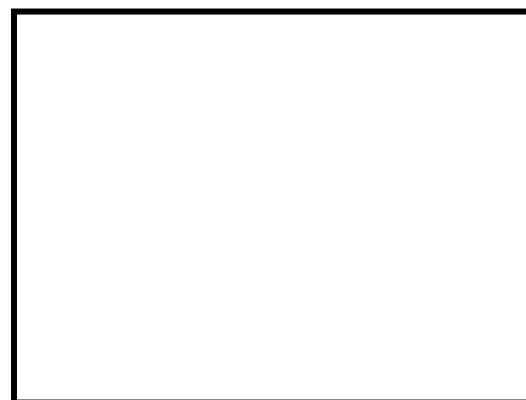
BACKGROUND



TASK QUEUE

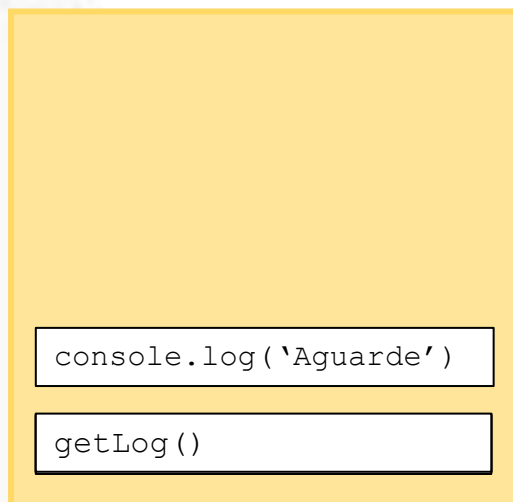


CONSOLE

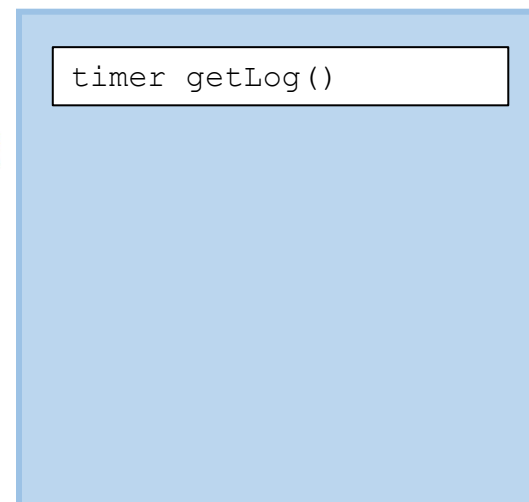


Event Loop

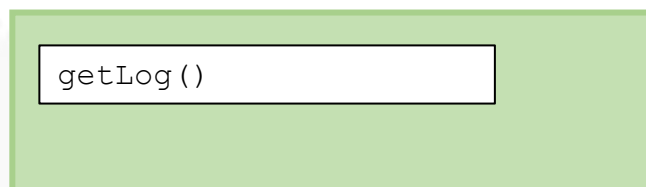
STACK



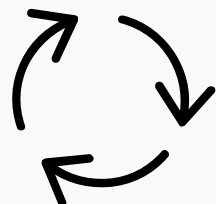
BACKGROUND



TASK QUEUE



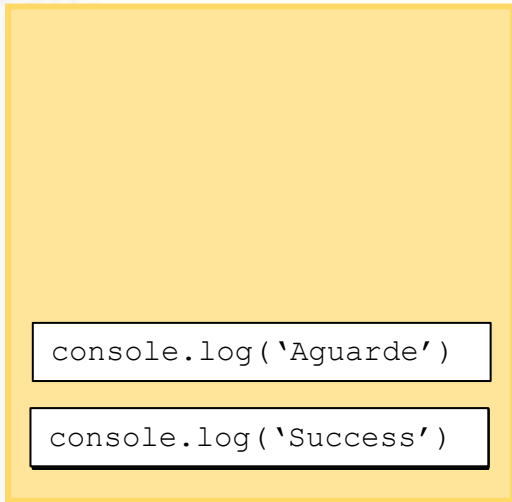
CONSOLE



Event Loop

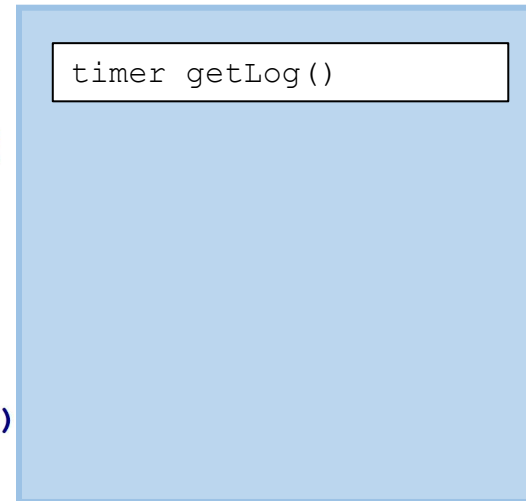


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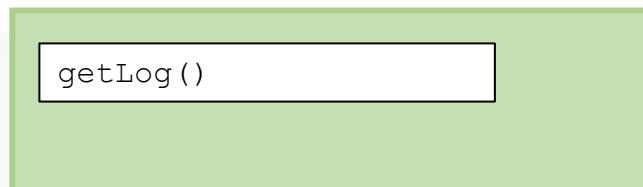


```
console.log('Início');  
  
setTimeout(function getLog() {  
  console.log('Aguarde');  
}, 5000);  
  
console.log('Fim');  
  
Promise.resolve("Success")  
  .then((value) => console.log(value)  
    , (value) => {});
```

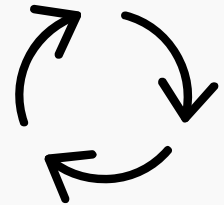
BACKGROUND



TASK QUEUE



CONSOLE



MICROTASK QUEUE



Conclusão



- ☑ Event Loop.
- ☑ Microtask e Macrotask.

Próxima aula



- ❑ Iterators.

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3.4 Iterators

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- ❑ Iterators.

Iterators



```
interface Iterator {  
  next() {  
    //...  
    return {  
      value: <value>,  
      done: <boolean>  
    };  
  };  
};  
}
```



Conclusão



☒ Iterators.

Próxima aula



- ❑ Generators.

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3.5 Generators

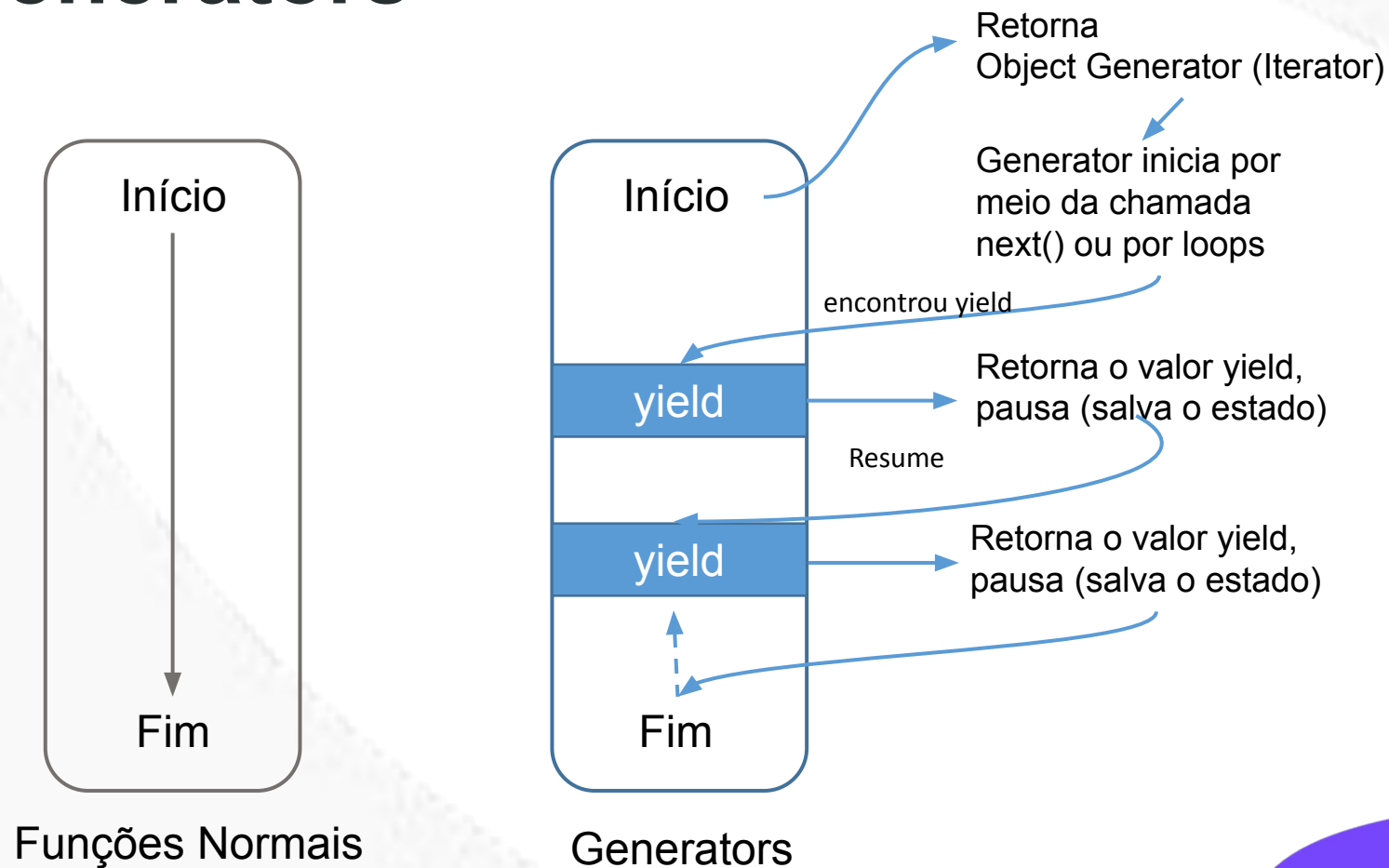
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Nesta aula



- ❑ Generators.

Generators



Conclusão



☒ Generators.

Próxima aula



- ❑ ECMAScript.