



ES2017

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JS is not going away



Legacy



React



React Native

The feast

- Arrow functions
- Promises
- Classes
- Let + const
- Enhanced object literals
- Template strings
- Destructuring
- Spread operator
- Iterators / Generators
- Modules
- ...

ES2016

The hangover

- `Array.prototype.includes`
- Exponentiation operator

Moar !!

- `Object.values` / `Object.entries`
- String padding
- `Object.getOwnPropertyDescriptors`
- Trailing commas
- Shared memory
- `Async` / `Await`

Object.values / entries

```
> h
```

```
< ▶ Object {a: 1, b: 2, c: 3}
```

```
> Object.values(h)
```

```
< ▶ [1, 2, 3]
```

```
> |
```

String padding

```
> "2020".padStart(10, "0")  
< "0000002020"
```

Object.getOwnPropertyDescriptor

```
> h
< ▶ Object {a: 1, b: 2, c: 3}
> Object.getOwnPropertyDescriptor(h)
< ▼ Object {a: Object, b: Object, c: Object} ⓘ
  ▼ a: Object
    configurable: true
    enumerable: true
    value: 1
    writable: true
  ▶ __proto__: Object
  ▶ b: Object
  ▶ c: Object
  ▶ __proto__: Object
```


Shared Memory

- Shared Data Structure among workers
- Atomic Operations
- Enforced ordering

Async / Await

```
function doSomethingAsync () {  
  return fetch('/rest/entities/bhags')  
    .then(data => data.json())  
    .then(json => notifyNewBhag(json))  
    .catch(err => console.log(`BHError: ${err}`))  
}
```

Async / Await

```
async function doSomethingAsync () {  
  try {  
    const data = await fetch('/rest/entities/bhags')  
    const json = data.json()  
    return notifyNewBhag(json)  
  } catch (err) {  
    console.log(`BHError: ${err}`)  
  }  
}
```

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That's about it