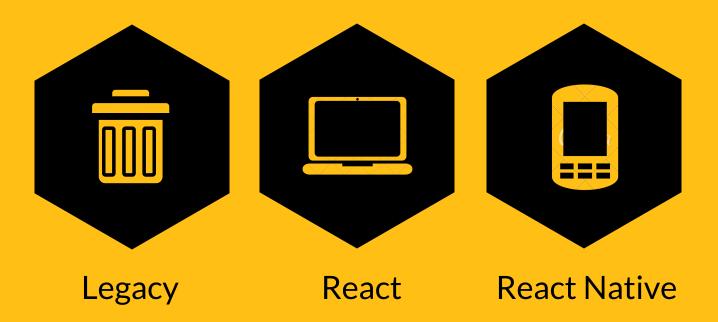
# ES2017

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### The feast

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



## 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

## String padding

- > "2020".padStart(10, "0")
- "0000002020"



### Object.getOwnPropertyDescriptors

```
> h
⋄ ▶ Object {a: 1, b: 2, c: 3}
> Object.getOwnPropertyDescriptors(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

```
ES2017
```

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

# That's about it