

NEXT LEVEL JAVASCRIPT FOR REACT / ES6

WIFI (TWGUEST):

BEGIN HARK SAUCE EDITOR SIGN

HOSTED BY THOUGHTWORKS / PRESENTED BY @CRIS7IAN

```
git clone https://github.com/tw-react-dojo/2-next-level-js
```



**ALWAYS LEAVE THE CAMPGROUND
CLEANER THAN YOU FOUND IT.**

LET + CONST

NOT EVERYTHING IS A VARIABLE

ARROWS



OLD WAY

```
var that = this  
methodWithCallback(function(result) {  
    that.result = result  
})
```

NEW WAY

```
methodWithCallback((result) => {  
    this.result = result  
})
```

TEMPLATE STRINGS


```
string = "the result is: " + result
```

```
string = `the result is: ${result}`
```

DESTRUCTURING

```
const loaded = this.state.loaded;  
const error = this.state.error;  
const rates = this.state.rates;  
const date = this.state.date;
```

```
const {  
  loaded,  
  error,  
  rates,  
  date  
} = this.state
```

SPREAD OPERATOR

```
var newState = that.state;  
newState.loaded = true;  
newState.rates = data.rates;
```

```
var newState = Object.assign(oldState, {prop: newProp});
```



```
const newState = {...state, loaded: true, rates}
```

MODULES

```
var React = require("react");
```

```
import React, { Component } from 'react'
```

PROMISES



```
a(function (resultsFromA) {  
  b(resultsFromA, function (resultsFromB) {  
    c(resultsFromB, function (resultsFromC) {  
      d(resultsFromC, function (resultsFromD) {  
        e(resultsFromD, function (resultsFromE) {  
          f(resultsFromE, function (resultsFromF) {  
            console.log(resultsFromF);  
          })  
        })  
      })  
    })  
  })  
});
```

PROMISES

aPromise

```
.then(result => doSomethingAsyncReturnStuff(result))  
.then(stuff => asyncCall(stuff))  
.then(endMethod)  
.catch(error => console.log(`whoops! ${error}`))
```

PROMISE EVERYTHING

```
const promiseVersion = (options) => new Promise((resolve, reject) => {  
  doAsyncMethod(options, (result, error) => {  
    if (error) {  
      reject()  
    } else {  
      resolve(result)  
    }  
  })  
})  
})
```

```
promiseVersion()  
  .then(result)  
  .catch(error => console.log(`whoops! ${error}`))
```


PRETTIER



[HTTPS://GITHUB.COM/PRETTIER/PRETTIER](https://github.com/prettier/prettier)

**PRETTIER IS AN OPINIONATED CODE
FORMATTER FOR JAVASCRIPT.**

FROM ZERO

```
import {moment} from "moment";

export function theApp(value)
{
  if (!Number.isInteger(Number(value))) {
    return <App title="Simple Title" height={200} onClick={ onClick } onEdit={onEdit}/>;
  }
}
```

TO HERO

```
import { moment } from 'moment'

export function theApp(value) {
  if (!Number.isInteger(Number(value))) {
    return (
      <App
        title="Simple Title"
        height={200}
        onClick={onClick}
        onEdit={onEdit}
      />
    )
  }
}
```

CLI

```
#!/bin/sh
```

```
npm install [-g] prettier
```

```
prettier [opts] [filename ...]
```

```
prettier --single-quote --no-semi --write "src/**/*.js"
```

THANK YOU!