

Better Code Quality with ESLint

SETTING UP ESLINT IN YOUR PROJECT



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Why ESLint



JavaScript Linter

Analyzes your JS

Finds problems in your code

Similar to JSLint, JSHint

Course Overview



Setup & Run ESLint on Your Project

Close look at ESLint Rules

Explore ESLint Ecosystem

Common Use Cases

Who Should Watch This Course?



Front-end Web Developers

Course Repo



https://github.com/jamischarles/ps_eslint

```
function multiply(a, b) {  
    return a * c;  
}
```

```
$ eslint
```

```
~/dev/demo/public/javascripts/history.js
```

```
24:33  error  "b" is defined but never used
```

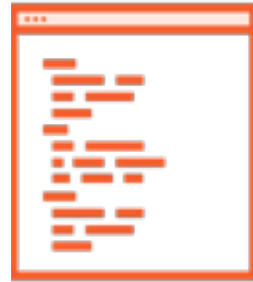
```
no-unused-vars
```

```
25:21  error  "c" is not defined
```

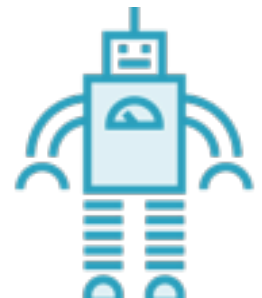
```
no-undef
```

Code Quality Checking

Without ESLint



With ESLint



Why ESLint



Automatically

- Finds errors
- Enforces rules
- Fixes errors

Agenda



Installing ESLint CLI

Exploring ESLint CLI

Run ESLint Against Your Project

- Set up a Ruleset
- Resolve Errors

NPM Script & Git Hooks

Demo

Install ESLint CLI

Review project structure

Set up ESLint ruleset

Git Hook

A script that executes when a certain git event occurs

Git Hook Examples



Pre-commit

- Spellcheck
- Run tests

Post-commit

Pre-push

Git commands

```
git status -s
```

◀ **Show changes since commit**

```
git add .
```

◀ **Stage changed files**

```
git commit -m "Fixed bug"
```

◀ **Commit staged files with message**

```
git reset HEAD^
```

◀ **Undo last commit and keep changes**

Summary

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