**[ES Lint](https://eslint.org/)**

JavaScript linter that enables you to enforce a set of style, formatting, coding standards for your codebase.

**Prerequisites**

* A code editor installed (VS Code )
* An existing codebase (node js project + a typescript)

## Installation and setup

1. Run the following commands

npm install --save-dev eslint @typescript-eslint/parser @typescript-eslint/eslint-plugin

1. Create an eslintrc file
2. In it, use the following starter config.

{

"root": true,

"parser": "@typescript-eslint/parser",

"plugins": [

"@typescript-eslint"

],

"extends": [

"eslint: recommended",

"plugin:@typescript-eslint/eslint-recommended",

"plugin:@typescript-eslint/recommended"

]

}

### Ignoring files we don't want to lint in **.eslintignore file**

### Adding a lint script in package.json

"scripts": {

"lint": "eslint. --ext. ts",

}

1. Run the following command.

npm run lint

## Rules

There are three modes for a rule in eslint: off, warn and error.

"off" means 0 (turns the rule off completely)

"warn" means 1 (turns the rule on but won't make the linter fail)

"error" means 2 (turns the rule on and will make the linter fail)

**Adding a rule**

In eslintrc, add a new attribute to the JSON object called "rules".

**Rule 1**. Add the [**no-console**](https://eslint.org/docs/rules/no-console)rule, if it encounters a console.log statement with the no-console rule set to error

"rules": {

"no-console": 2 // Remember, this means error!

}

We should get an angry linting result.

2:1 error Unexpected console statement no-console

✖ 1 problem (1 error, 0 warnings)

And if we wanted, we could turn the rule off by setting it to 0- off.

"rules": { "no-console": 0 }

# **Rule 2.** Add import/newline-after-import rule, count which sets the number of newlines that are enforced after the last top-level import statement or require call. This option defaults to 1.

"rules": {

"import/newline-after-import": ["error", { "count": 2 }]

}

For this install the plugin

npm install - eslint-plugin-import

Add the following to the eslintrc file

"plugins": ["@typescript-eslint", "eslint-plugin-import"],

"extends": ["plugin:eslint-plugin-import/typescript"],