Steps to add EsLint and Prettier to React project:

Step 1.

For VSCode and WebStorm

1. Open your react project

2. Install Eslint as development dependence

```
npm i eslint --save-dev
```

3. Initiate Eslint in your project:

```
eslint --init
```

Answer the questions:

```
PS C:\Users\Olesia_Miller\Desktop\MenteeRepos\Vasia\javascript-basics> eslint --init
? How would you like to use ESLint? ...
  To check syntax only
  To check syntax and find problems
> To check syntax, find problems, and enforce code style
```

```
PS C:\Users\Olesia_Miller\Desktop\MenteeRepos\Vasia\javascript-basics> eslint --init
√ How would you like to use ESLint? · style
? What type of modules does your project use? ...
> JavaScript modules (import/export)
  CommonJS (require/exports)
  None of these
```

```
√ How would you like to use ESLint? · style
√ What type of modules does your project use? · esm
? Which framework does your project use? ...
> React
  Vue.js
  None of these
```

```
√ How would you like to use ESLint? · style
√ What type of modules does your project use? · esm
√ Which framework does your project use? · react
? Does your project use TypeScript? » No / Yes
```

```
√ How would you like to use ESLint? · style
√ What type of modules does your project use? · esm
√ Which framework does your project use? · react
√ Does your project use TypeScript? · No / Yes
? Where does your code run? ...  (Press <space> to select, <a> to toggle all, <i> to invert selection)
√ Browser
√ Node
```

```
√ How would you like to use ESLint? · style
√ What type of modules does your project use? · esm
√ Which framework does your project use? · react
√ Does your project use TypeScript? · No / Yes
√ Where does your code run? · browser
? How would you like to define a style for your project? ...
> Use a popular style guide
  Answer questions about your style
  Inspect your JavaScript file(s)
```

```
√ How would you like to use ESLint? · style
√ What type of modules does your project use? · esm
√ Which framework does your project use? · react
√ Does your project use TypeScript? · No / Yes
√ Where does your code run? · browser
√ How would you like to define a style for your project? · guide
? Which style guide do you want to follow? ...
> Airbnb: https://github.com/airbnb/javascript
  Standard: https://github.com/standard/standard
  Google: https://github.com/google/eslint-config-google
  XO: https://github.com/xojs/eslint-config-xo
```

```
√ How would you like to use ESLint? · style
√ What type of modules does your project use? · esm
√ Which framework does your project use? · react
√ Does your project use TypeScript? · No / Yes
√ Where does your code run? · browser
√ How would you like to define a style for your project? · guide
√ Which style guide do you want to follow? · airbnb
? What format do you want your config file to be in? ...
  JavaScript
  YAML
> JSON
```

```
√ How would you like to use ESLint? · style
√ What type of modules does your project use? · esm
√ Which framework does your project use? · react
√ Does your project use TypeScript? · No / Yes
√ Where does your code run? · browser
√ How would you like to define a style for your project? · guide
√ Which style guide do you want to follow? · airbnb
√ What format do you want your config file to be in? · JSON
Checking peerDependencies of eslint-config-airbnb@latest
Local ESLint installation not found.
The config that you've selected requires the following dependencies:

eslint-plugin-react@^7.21.5 eslint-config-airbnb@latest eslint@^5.16.0 || ^6.8.0 || ^7.2.0 eslint-plugin-import@^2.22.1 eslint-plugin-jsx-a11y@^6.4.1 eslint-plugin-r
eact-hooks@^4 || ^3 || ^2.3.0 || ^1.7.0
? Would you like to install them now with npm? » No / Yes
```

4. Now you have `eslintrc.json` file.

> It may take a while for the `eslintrc.json` file to appear in the project folder

Replace the code in the `eslintrc.json` file with the code below

```json
{
    "env": {
        "browser": true,
        "es2021": true
    },
    "extends": ["react-app", "prettier"],
    "parserOptions": {
        "ecmaFeatures": {
            "jsx": true
        },
        "ecmaVersion": 12,
        "sourceType": "module"
    },
    "plugins": [
        "react",
        "prettier"
    ],
    "rules": {
        "prettier/prettier": [
            "error", {
                "printWidth": 80,
                "trailingComma": "es5",
                "semi": true,
                "jsxSingleQuote": true,
                "singleQuote": true,
                "useTabs": true,
                "endOfLine": "auto",
                "max-len": ["error", { "code": 80 }]
            }
        ]
    }
}
```
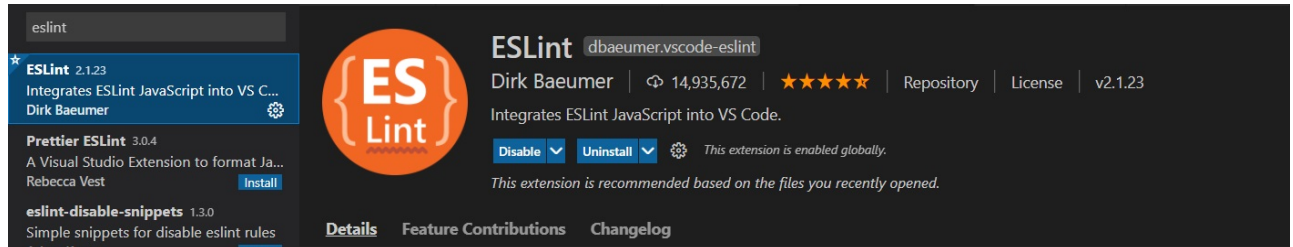
5. Run

```
npm i -D eslint-config-prettier eslint-plugin-prettier prettier
```
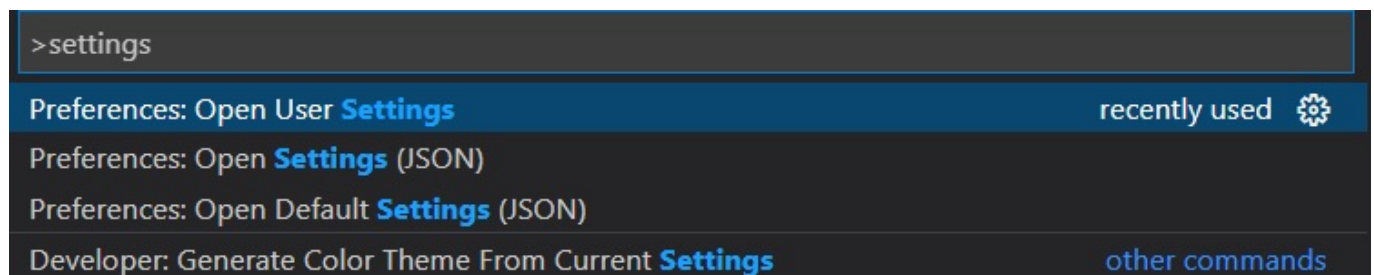

Step 2.

If you use VSCode:
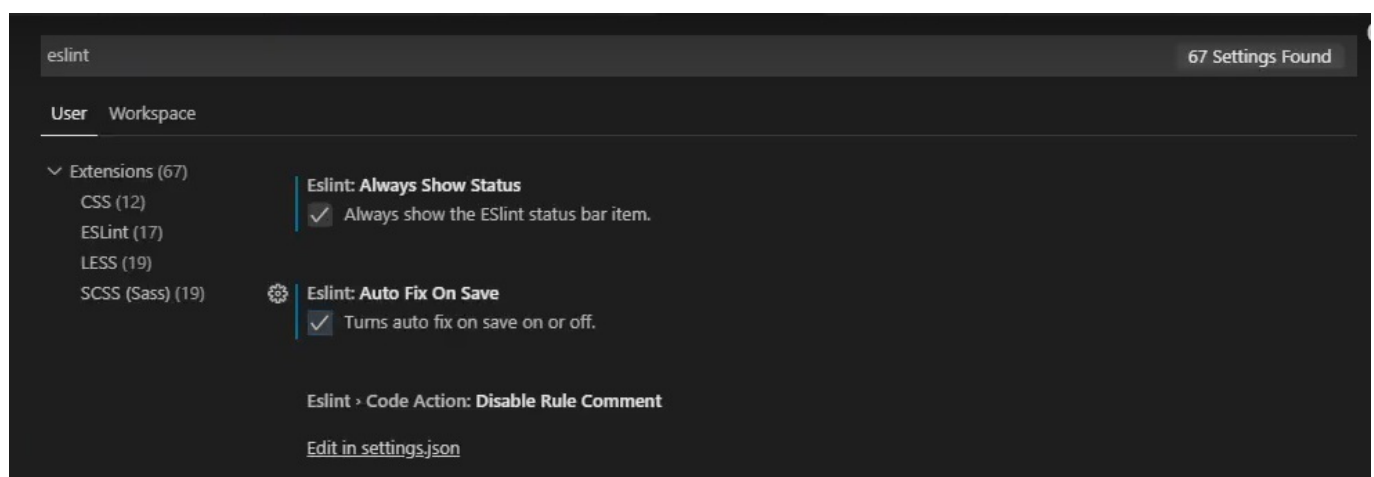
1. Install EsLint plugin

2. Change your VScode settings:

To open user setting config press F1, enter '*settings*' and choose '*Open User Settings*'
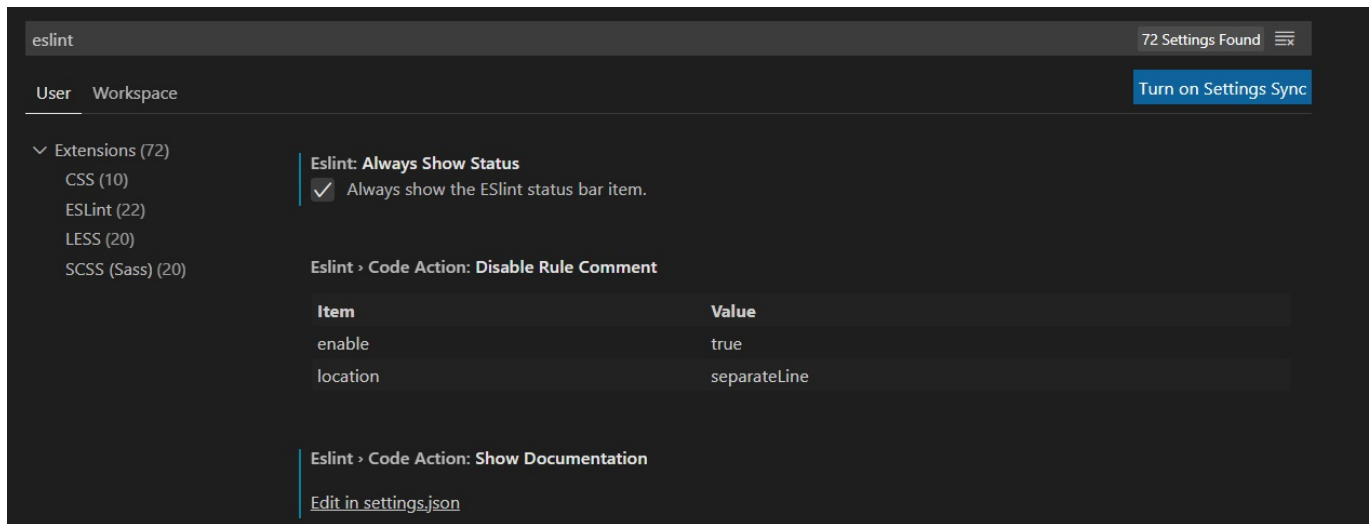

Enter '*eslint*' in the search panel.

If you have Auto Fix On Save checkbox, make it checked

If don't - click Edit in settings.json
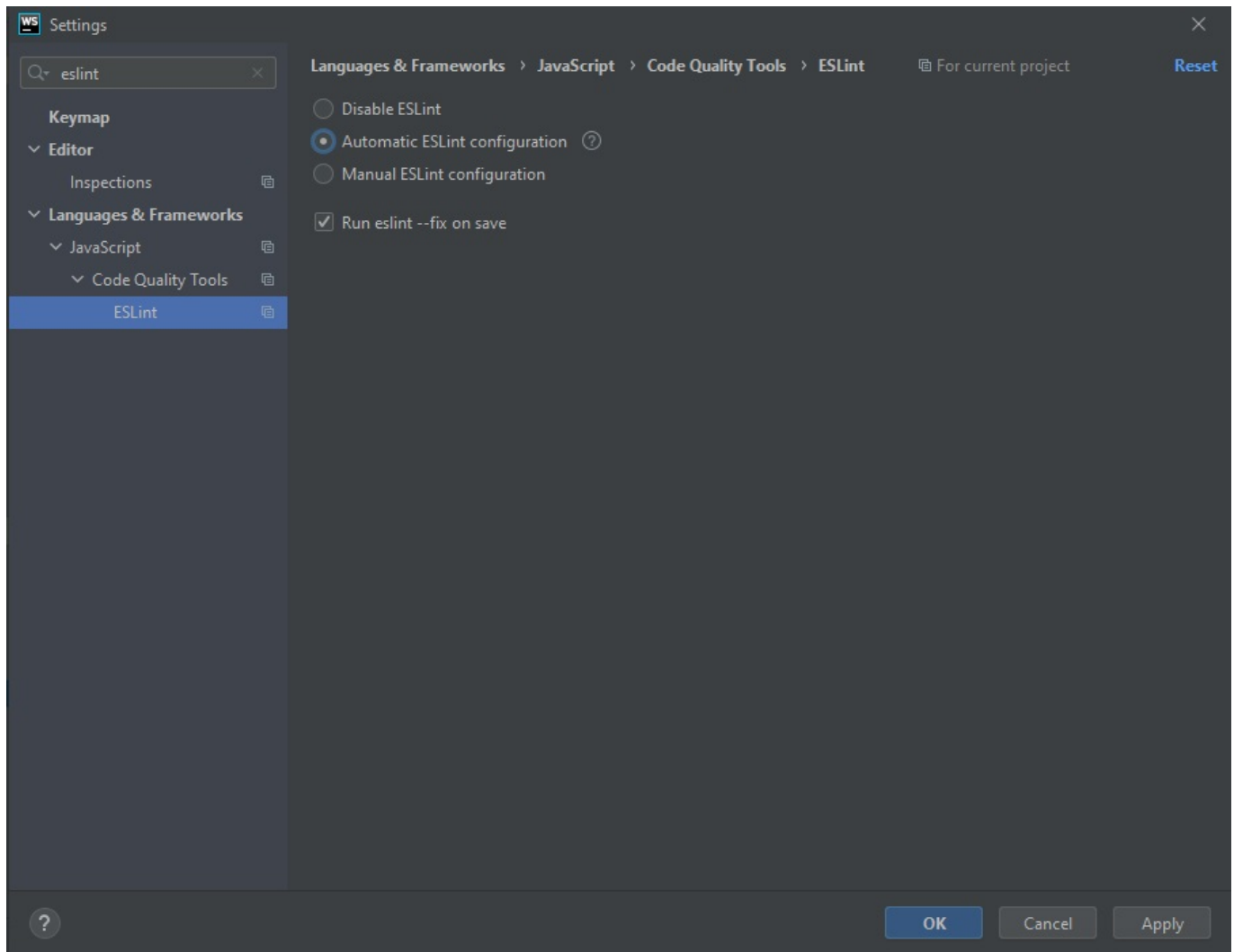
Add rules to `settings.json` file:

```
    "editor.codeActionsOnSave": {
        "source.fixAll.eslint": true
    },
    "eslint.codeActionsOnSave.mode": "problems",
```

save file.

2. If you use WebStorm

1. File -> Settings
2. Enter '*eslint*' into searching panel
3. Choose `Automatic ESLint configuration`
4. Mark `Run eslint --fix on save` as checked
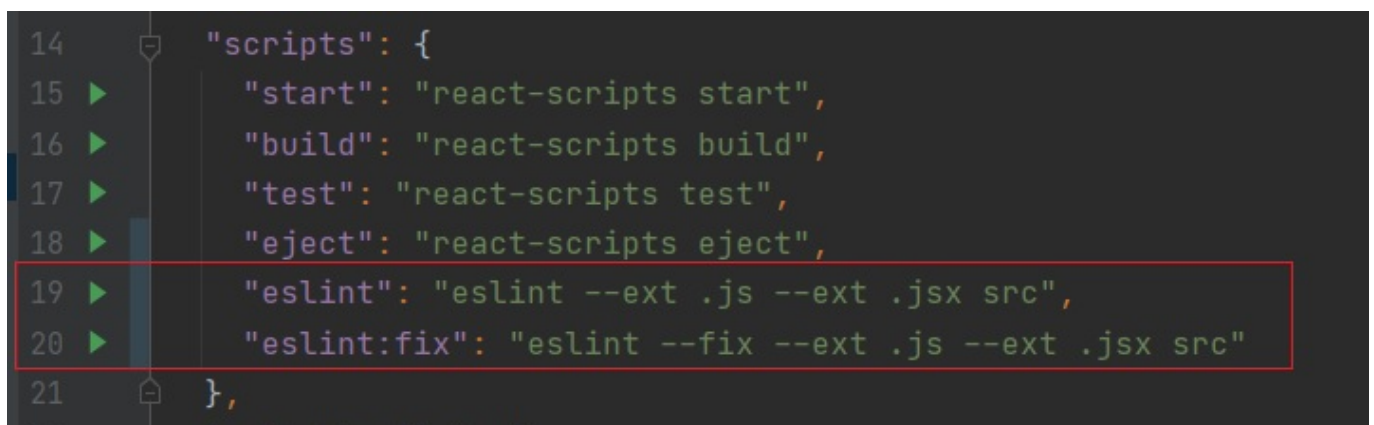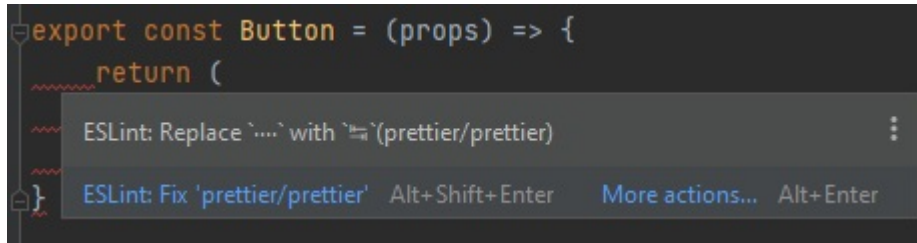5. Click `Ok`

Step 3.

For VSCode and WebStorm

Add script to `package.json` file

```
"eslint": "eslint --ext .js --ext .jsx src",
"eslint:fix": "eslint --fix --ext .js --ext .jsx src"
```

Result:

1. Every place in your code with code style problem should be highlighted
2. Hover on the problem and see what went wrong
3. You can fix separate problem by clicking `ESLint: Fix 'prettier/prettier`

4. You can fix all problems **that can be corrected automatically** *in the current file* by saving this file (Ctrl + S)
5. You can run `npm run eslint` to see all app code style errors in the terminal
6. You can run `npm run eslint:fix` to fix *all app code style errors* **that can be corrected automatically**

> WARNING: if you use VSCode you should always save your changes.
>
> WebStorm does it automatically.