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Format code on save visual studio code

Consistent formatting of code is a challenge, but advanced developer tools allow you to automatically maintain consistency across your team's code base. In this article, you set up Prettier to automatically format your code in Visual Studio Code, also known as VS code. For demonstration purposes, here is the sample code that you will format: const name = James; const person = 'first name: name 'console.log(person); const sayHelloLinting = (fName) => -console.log('Hello linting, "fName") 'sayHelloLinting('James'); If you're familiar with code formatting, you may notice some missteps: a mix of single and double quotes. The first property of the Person object should be on its own line. The console statement within the function should be indented. You like the optional bracket that surrounds the arrow function parameter or not. Prerequisites To follow this tutorial, you need to download and install Visual Studio Code. To work with Prettier in Visual Studio Code, you must install the extension. To do this, search for Prettier - Code Formatter in the vs Code extension area. When you install it for the first time, you'll see an installation button instead of the uninstall button shown here: Step 1 — With the Formatdocument Command With the Prettier extension installed, you can now use it to format your code. First, let's examine with the Format Document command. This command provides the code more consistent with formatted spacing, line breaks, and quotation marks. To open the command palette, you can use COMMAND + SHIFT + P on macOS or CTRL + SHIFT + P on Windows. In the command palette, search for the format, and then select Format Document. You can then be prompted to select the format to use. To do this, click the Configure button: Then select Prettier - Code Formatter. Note: If you don't see a prompt to select a default format, you can change it manually in the settings. Set Editor: Default Formatter on ebsenp.prettier-vscode. Your code is now formatted with scant, line break, and consistent quotation marks: const name = 'James'; const person = ' before: name ' ; Console.log (person); const sayHelloLinting = (fname) => 'console.log('Hello linting, "fName"); This also works for CSS files. You can convert something into well-formatted code with inconsistent indentation, curly braces, new lines, and semicolons. For example: body - color: red; h1 , color: purple; Font size: 24px - Will be reformatted as: Body - Color: Red; , h1 , color: purple; Font size: 24px; After examining this command, let's see how I can to be executed automatically. Step 2 — Formatting Code to Save Previously, you had to manually run a command to format your code. To automate this process, you can select a setting in VS Code so that your files are automatically formatted when you save them. This also ensures that code is not checked for version control that is not formatted. To change this Press COMMAND + , on macOS, or CTRL+ on Windows to open the Settings menu. Once the menu is open, search for Editor: Format On Save and make sure this option is enabled: once this option is set, you can write your code as usual and it will be formatted automatically when you save the file. Step 3 — Changing the Pretier Configuration Settings Prettier does a lot of things for you by default, but you can also customize the settings. Open the Settings menu. Then search for Prettier. This will display all the settings you can change: Here are some of the most common settings: Single quote - Choose between single and double quotation marks. Semi - Select whether to include semicolons at the end of the lines. Tab Width - Specify how many spaces a tab should insert. The downside of using the built-in settings menu in VS Code is that it doesn't ensure consistency between developers on your team. Step 4 - Create a nicer configuration file If you change the settings in your VS code, someone else may have a completely different configuration on their computer. You can set consistent formatting across your team by creating a configuration file for your project. Create a new file called .prettierrc.extension with one of the following extensions: Here is an example of a simple configuration file with JSON: trailingComma: es5, tabWidth: 4, semi: false, singleQuote: true - For more details on the configuration files, see the pretier docs. After you create one of these items and check it into your project, you can ensure that each team member follows the same formatting rules. Conclusion With consistent code is a good practice. It is especially useful when you are working on a multi-employee project. Agreeing on a set of configurations helps you read and understand code. More time can be spent solving demanding technical problems instead of wrestling with resolved issues such as code indentation. Pertier provides consistency in code formatting and makes the process automatic. Increase your productivity by not wasting time formatting your codeIn this article we will explore the very popular Visual Studio code extension Prettier, which, as the name suggests, formats the code pretty well. Prettier is an Opinionated Code Formatter that formats code written in Javascript, Angular, Vue, React, Typescript, and many other languages. Installation:1. Click the extension icon in VS Code2. Search for prettier3. You see the extension of Prettier4. Click the installation button5. Press the Reload button or restart the VS code once the extension is installedUsage:To automatically format the file on saving, In Visual Studio Code, press Control + Shift + P or Command + Shift + P (Mac) to open command palette and type setting and then select Preferences: Open User Settings optionFind the format when saving and select the check box. That's it! Congratulations! They have more beautiful nicer according to the default settings. Now open a React code. Suppose your code looks like thisIf you save the file with Ctrl + S (Command + S for Mac), the Nicer formats your code as shown below. If you have code like thisThen when saving, it will be formatted as followsIf you have code like thisPrettier will remove the unnecessary parentheses and will shorten the code as shown belowSo now, you don't have to worry about adding space or moving code to the second line if it doesn't fit in a line. Pertier does this task automatically for you. This will make you more productive as you don't waste your time in formattingAdvanced ConfigurationsIf you want more control over formatting, more beautifully allows that too. Create a file named .prettierrc (dot prettierrc) in the root of your project and add the configuration as needed. For example.B. add the following JSON to the .prettierrc singlequote: true uses single quotes instead of double quotes for strings in your codetrailingComma: none removes all subsequent commas from the object declaration in your fileYou can find all configuration options HERE. That's it for today. Hope you learned something new today. Don't forget to subscribe to my weekly newsletter with amazing tips, tricks and articles right in your inbox here. I want to automatically format TypeScript code using the build-in formatting code when I save a file to Visual Studio Code. I know the following options, but none of them is good enough: manually format Shift + Alt + F format on type editor.formatOnType: true It formats the line when you press the input. Unfortunately, it leaves it unformatted when you click on another line with the mouse or press the up/down arrow. Use existing extension have tried this, but it does not seem to work too well. Use beautify.onSave: true It doesn't work with TypeScript Write custom extension It's difficult if you want to handle autosaves and builds correctly. While this tutorial includes content that we believe is of great benefit to our community, we haven't tested or edited it yet to make sure you have a flawless learning experience. It is on our list and we are working on it! You can help us by using the Report a problem button at the end of the tutorial. Consistent formatting of code is a pain, especially if you work in a team. The beauty of modern web development is that the tool has gotten so much better! In this article, we'll look at setting up Prettier to automatically format your code in Visual Studio Code. For demo purposes, here is the sample code that we will format. If you're picky about code formatting, you'll immediately take some obvious steps. mix of single and double quotation marks the first property of the person object should be on its own line, the console statement within the function should be indented, you like the optional bracket that contains the the Arrow function Install the Pretier Extension To work with Prettier in Visual Studio Code, you need to install the extension. Search for Prettier - Code Formatter. You can see the extension below. When you install it for the first time, you'll see an Install button instead of the Uninstall button that you see on mine. The document Command format Installed with the Prettier extension, we can now use it to format our code. We will continue to work on it later, but to begin, we can use the Format Document command. To open the pallette command, you can use Command **+ Shift + P** on Mac or Control **+ Shift + P** on Windows. In the Command, select Pallet Search Format** Format Document**. You can then be prompted to choose which option to use. To do this, click the Configure button. Then select Prettier **- Code Formatter**. And the VOILA! Your code is beautiful and formatted. Note all the failed improvements! Distance soreline wrappings consistent quotes Prettier also works with CSS files! The great thing is that this also works on CSS files! From this... That's for it! Automatic Format on Save Previously, we had to manually run a command to format our code. Instead, you can select a setting in VS Code so that your files are automatically formatted when you save them. This has some great advantages. You never have to format your code manually again! Make sure that code is formatted without thinking about not checking in code that is not formatted To change this setting, use** Command + , on Mac or Control + , ** on Windows to open the settings menu. Then search for Editor: Format on Save and make sure it's enabled. With this setting in place, you can go about writing your business sloppy formatted code as we all know it's all done automatically for you! The nicer configuration in VS code settings Prettier does a lot of things for you by default, but you can also customize the settings. Here are some of the most common settings. Single Quote - choose between single and double quotation marks Semi - choose whether to include half-double at the end of the tab width lines - how many spaces a tab from Open the settings menu as above. Then search for Prettier. This displays all the settings that you can change directly in your editor. For example, what if I change the tab width to 10. Then save my file. Pretty simple, right?! This is probably not the tab width size you want to keep, but it's up to you! A nicer configuration file The downside of using the buit menu in the settings in VS code is that consistency between the developers on your team is not guaranteed. If you change the settings in your VS code, another person may have a completely different set of settings in their Vs code. Create consistent formatting across the team by creating a configuration file! To solve this problem, you can create a nicer configuration file. It must have the title .prettierrc. (ext) with one of the following yml, yaml or json js toml include in package.json file (alternative option) I usually prefer JSON configuration files where you can define keys **-> value** pairs for your settings. VS code even gives you some insight when you type. Here is an example of a simple configuration file. For more details about the configuration files, see the Prettier Docs. After you create one of these items and check it into your project, you can ensure that each team member follows the same formatting rules. Conclusion Don't waste time on manually formatting your code. It takes time that can be better spent writing more code. Use the amazing modern tools out there and set up Prettier! Nice!

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