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projects the course is divided into four main parts within this book you will discover the different arduino models you might like to choose from the key terms relating to arduino the many functions of arduino how to set up your arduino how read and write code and finally how to use your arduino to power some cool projects within this book you will discover the different arduino models you might like to choose from the key terms relating to arduino the many functions of arduino how to set up your arduino how this collection of arduino projects from very basic to more advanced includes led blink led button led brightness traffic light controller servomotor control smart night lamp play tunes voice control and much more these arduino projects can inspire you for your own projects using the autocomplete feature is easy but let s take a look at how it actually works in action and what the requirements are for it to properly function we will now go through it an a step by step fashion 1 first let s open the arduino ide v2 for this book we will be using the arduino uno board this combines a micro controller along with all of the extras to make it easy for you to build and debug your projects what is an arduino learn about the arduino uno board basics the ide example projects its parts and more in this tutorial for beginners what is arduino used for what you can do if you have arduino arduino can be used to create standalone elements connecting to devices and interacting with both hardware and software arduino ide 2 introduces an autocomplete feature for writing your code follow these steps to enable the feature open the ide open the preferences window from the menu bar windows linux file preferences macos arduino ide preferences 1 check the editor quick suggestions click ok to save autocomplete is now enabled

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