

Arduino Coding

Setting up your IDE

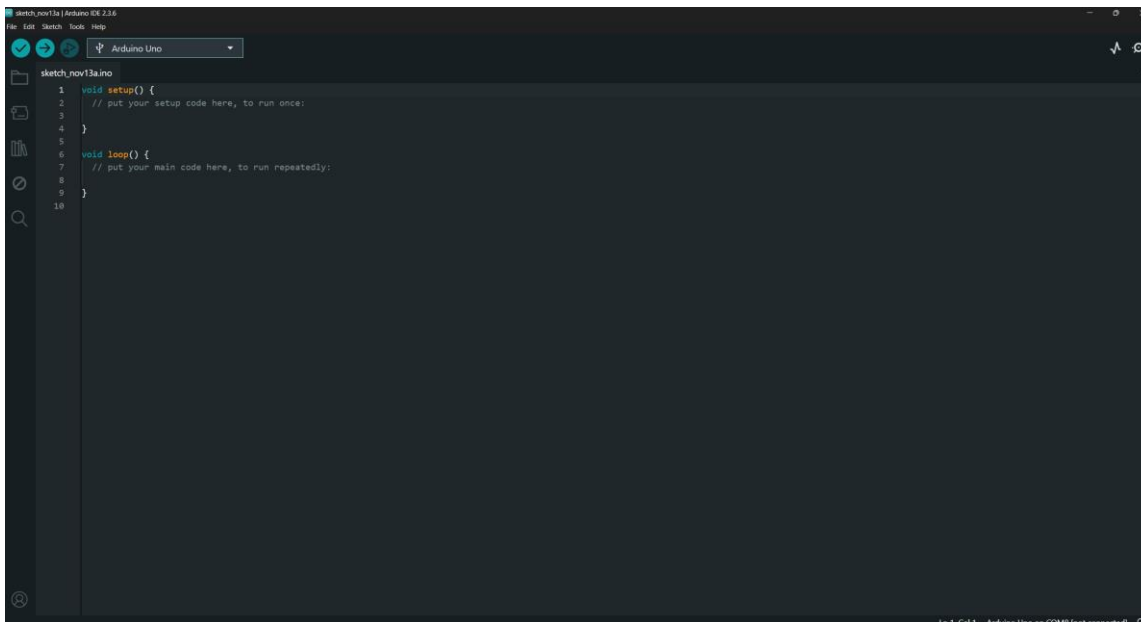
The Arduino IDE will come pre-downloaded onto your Walton Club computer. If you're using your own laptop or would like to work on it at home, you can download it at:

<https://www.arduino.cc/en/software/>

Once your download is done, run the .exe file to install it. You will be able to find your installed program in your File Explorer by pressing the “Windows Key” on your computer and typing ‘Arduino IDE’ into the given field. Its icon looks like this:



Your opened IDE should look something like this:



If your IDE looks different, you may just need to create a new default file.

1. Press “file” in the top left corner
2. Press “New Sketch”
3. Wait for a new window to open

Code Snippets

We have seen the basics in class, but the provided sample code can be used as a refresher and guide to your code. You will be working very closely with the electronics people in your group, make sure that your code caters to your project's future.

Go to [Github.com/Six34/WaltonProjectsSem1](https://github.com/Six34/WaltonProjectsSem1) and download the “ExampleCode.ino” file. This contains some code which may be useful to you.

Each component is different, please ask the educators if you're unsure. Within the Electronics section of the GitHub I have attached a few useful datasheets that you can use, but they're not particularly beginner-friendly.