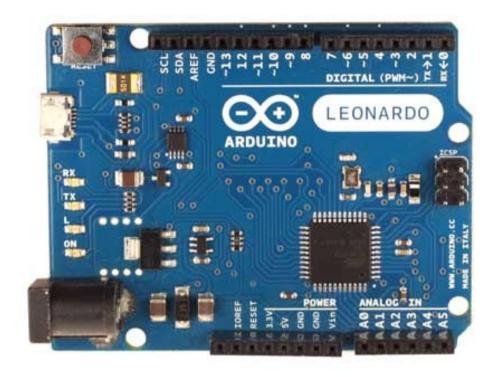
Welcome! This tutorial is designed to teach you the basics of making your own electronic circuits using the Arduino microcontroller, the blue thing on the left. You will learn how to safely connect different kinds of components to the Arduino and how to program it to interact with the outside world.







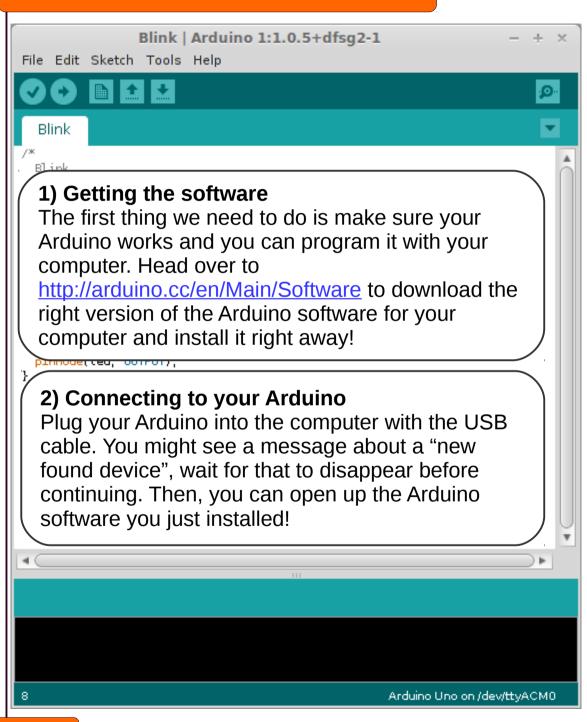


We will be using several different electronic components with the Arduino. Can you name the ones pictured on the page?

Don't worry if you have never programmed an Arduino before, it's the easiest thing in the world!

Have a look at: http://arduino.cc/en/Tutorial





3) Load An Example Program

When the software opens, click on: File -> Examples -> 01 Basics -> Blink. You will see another window open with some example code. Don't worry if you don't understand yet, we'll get to that!

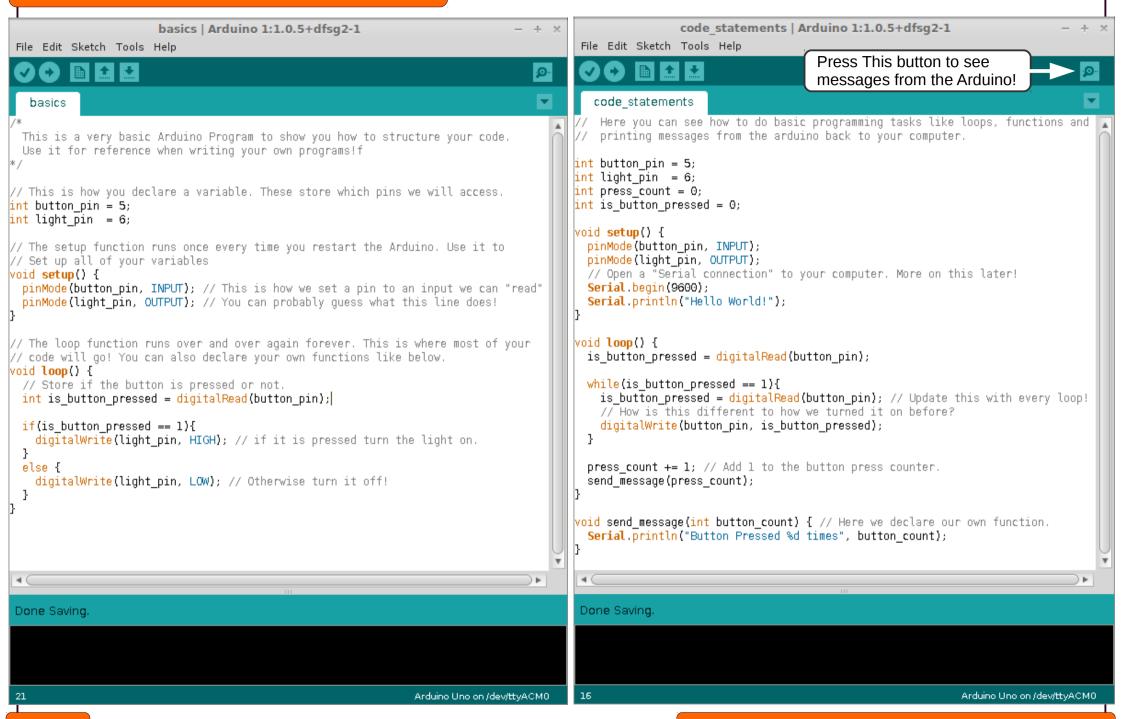
4) Configure your board

We are using an "Arduino Leonardo". So under Tools -> Board Select the Arduino Leonardo! You will also need to select the right "port" under Tools -> Port. It is usually the one with the biggest number at the end!

5) Program the board!

Click on the button with the arrow pointing right under "Edit". This will compile your code and "upload" it to the Arduino! When it finishes, you should see a single LED on the board flashing on and off. Congratulations, you now know how to program and Arduino!





TEMPLATE PAGE