Installing Arduino Software and Drivers on Windows 7

Step-by-step instructions on how to download and install the Arduino software for Windows. How to install the drivers for an Arduino Uno on Windows 7 and then load a sketch to test the installation.

Download and Install the Arduino Software

1. Download

Go to the [Arduino website](#) and click the download link to go to the download page. On the download page, click the Windows link to download the Arduino software for Windows as shown below.

INTERRUPTION OR LOSS OF DATA, REGARDLESS OF THE FORM OF ACTION OR LEGAL THEORY UNDER WHICH THE LIABILITY MAY BE ASSERTED, EVEN IF ADVISED OF THE POSSIBILITY OR LIKELIHOOD OF SUCH DAMAGES.

By downloading the software from this page, you agree to the specified terms.

Download

Arduino 1.0.1 (release notes), hosted by Google Code:

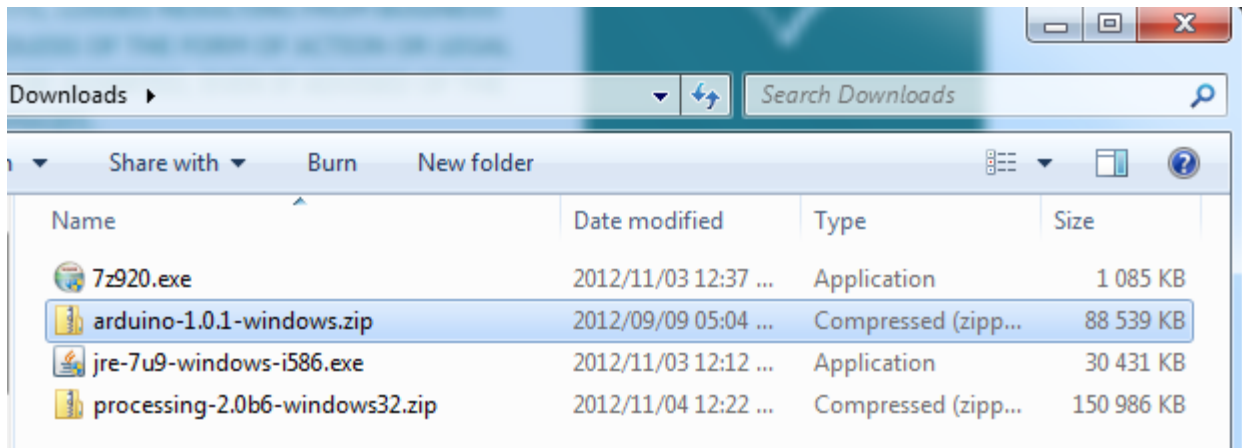+ Windows <----
+ Mac OS X
+ Linux: 32 bit, 64 bit
+ source

Next steps

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FAQ

Downloading the Arduino Software

2. Install

After downloading, locate the downloaded file on the computer and extract the folder from the downloaded zipped file. Copy the folder to a suitable place such as your desktop.

Locate the Arduino Software after Downloading
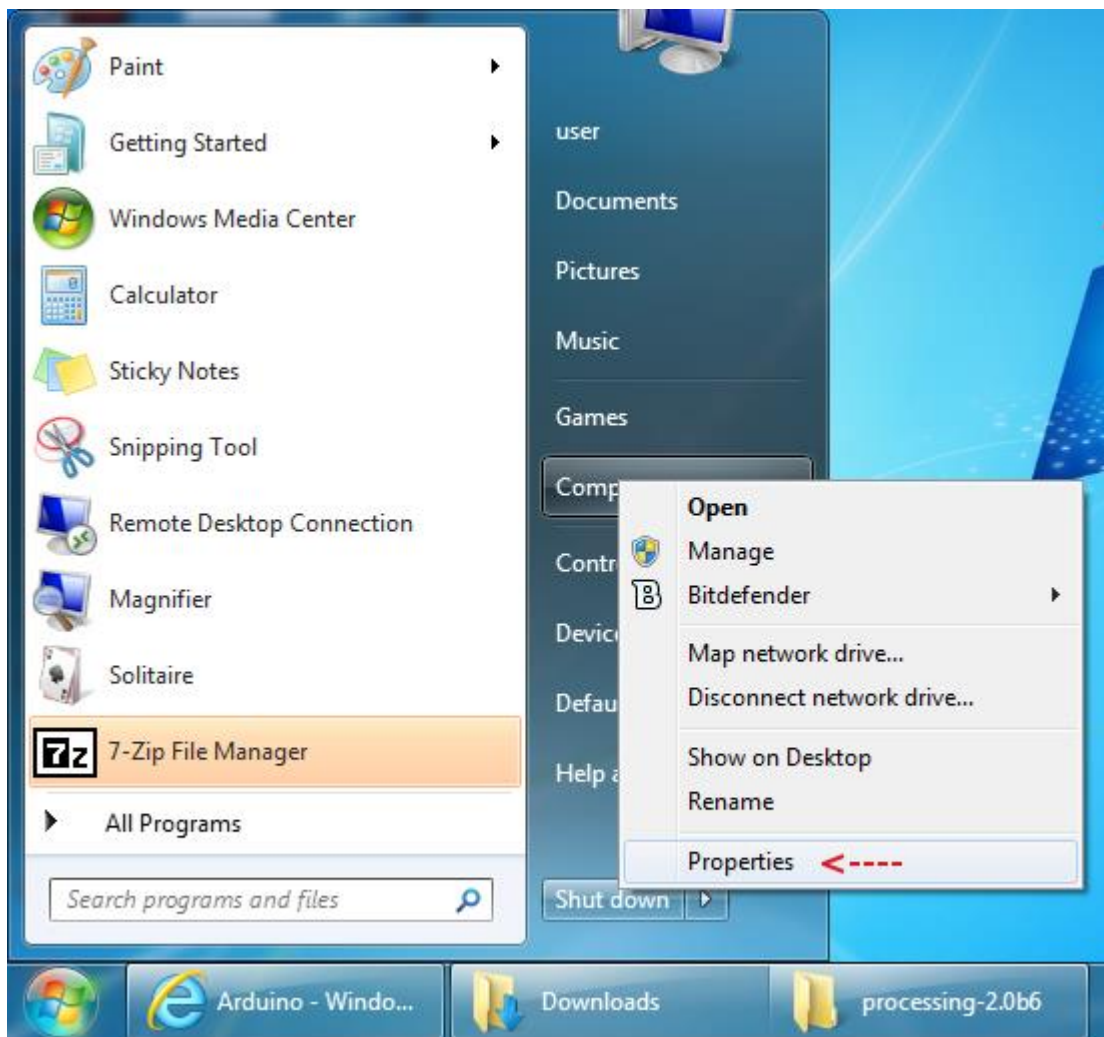
Install the Arduino Windows Drivers

1. Plug the Arduino Into the PC

Plug the Arduino board into the PC. Windows will try to install drivers, but will fail.
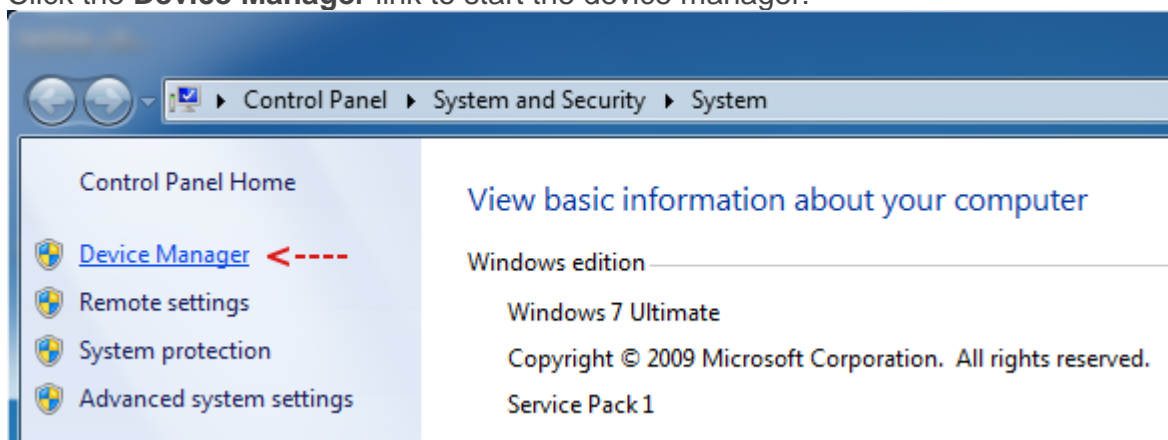
2. Start the Windows Device Manager

Click the Windows Start menu button.

Right-click **Computer** on the menu and then click **Properties** from the pop-up menu:
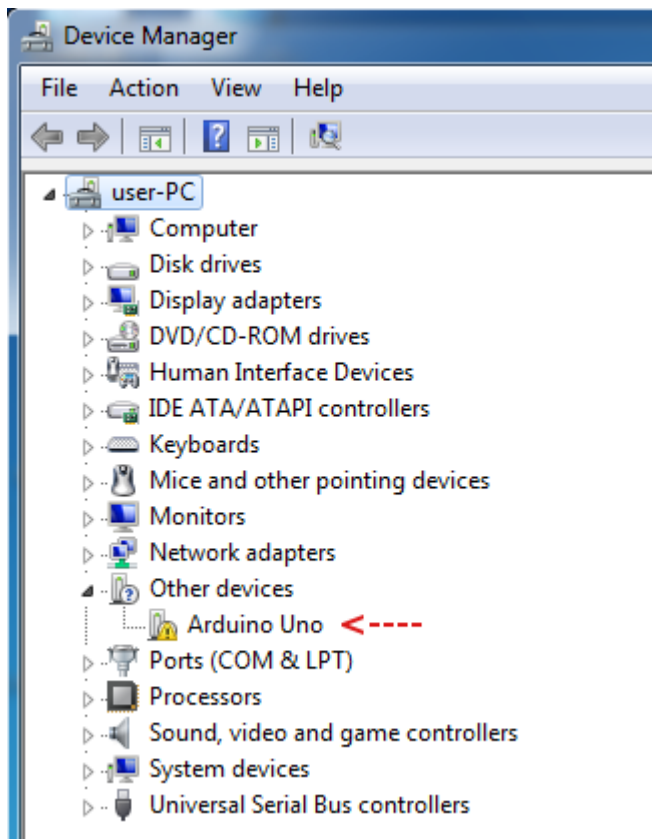
Opening the System Window from which the Device Manager can be Launched

Click the **Device Manager** link to start the device manager:

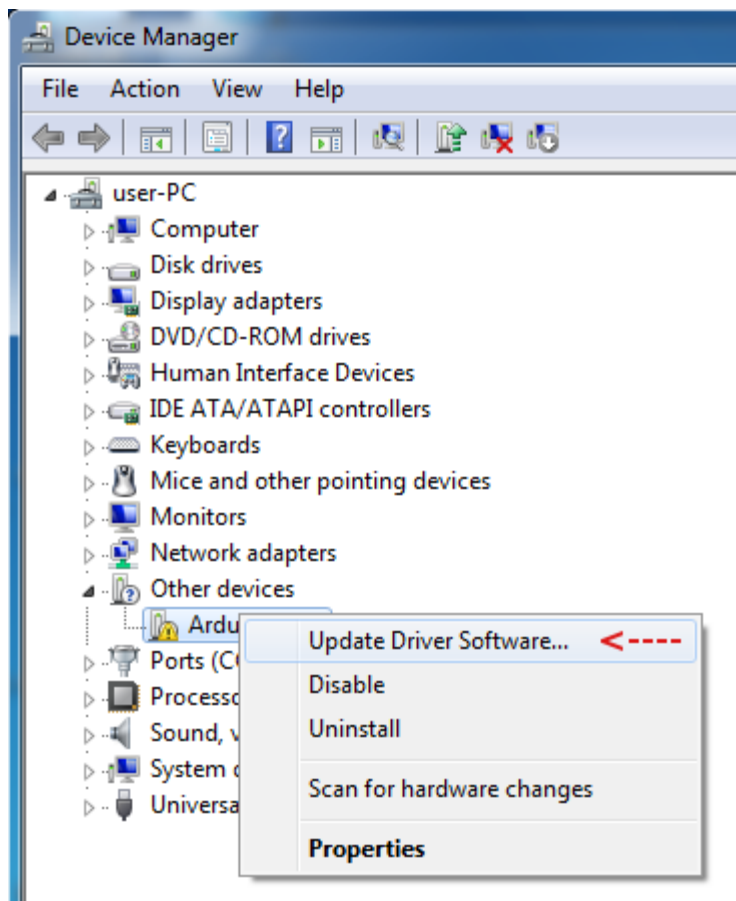**Starting the Windows Device Manager**

The Device Manager will open and display the Arduino Uno:
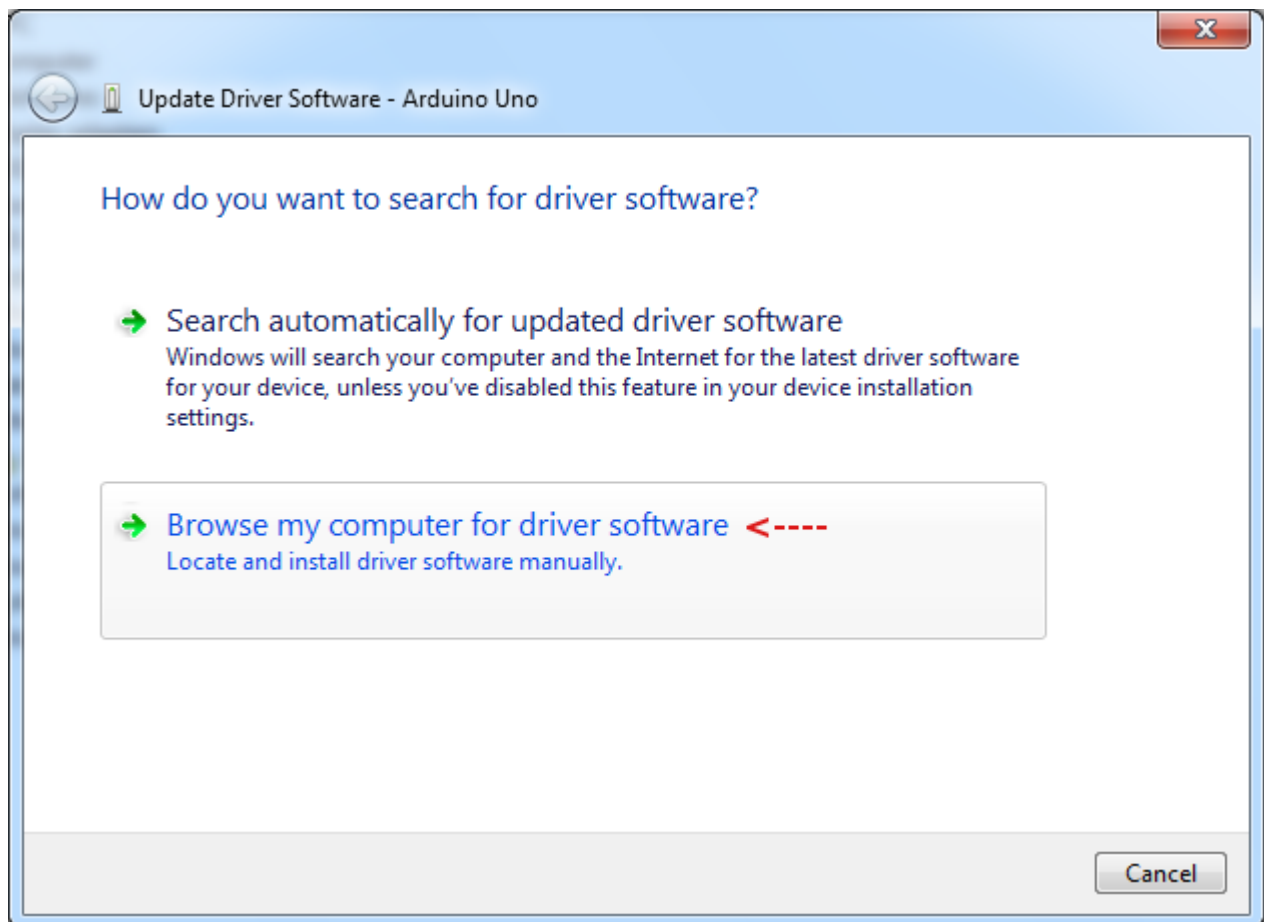

The Device Manager Window

3. Install the Device Driver

In the Device Manager Window, right-click the Arduino board and then click **Update Driver Software...** on the pop-up menu:
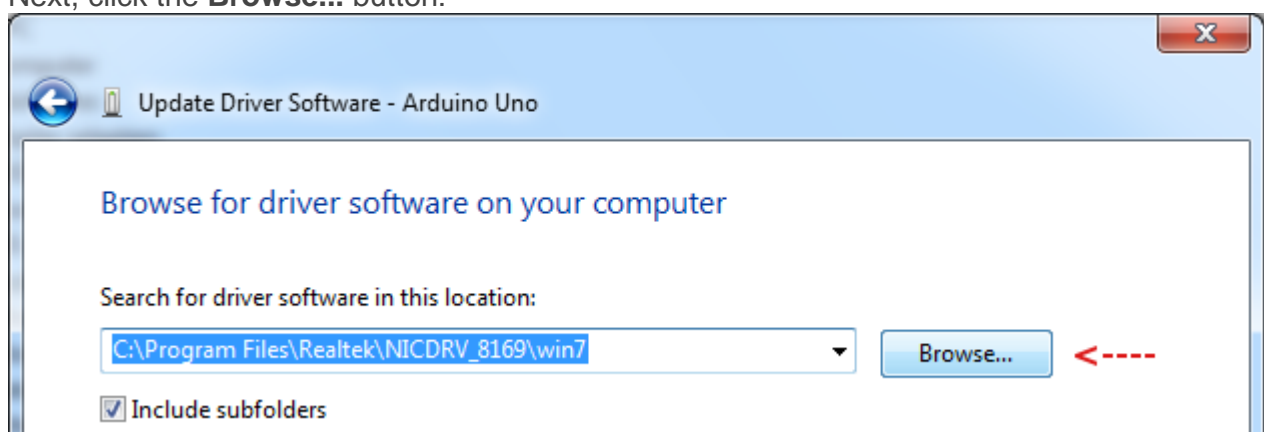
Starting the Driver Installation

The **Update Driver Software** dialog box will pop up. Click **Browse my computer for driver software**:
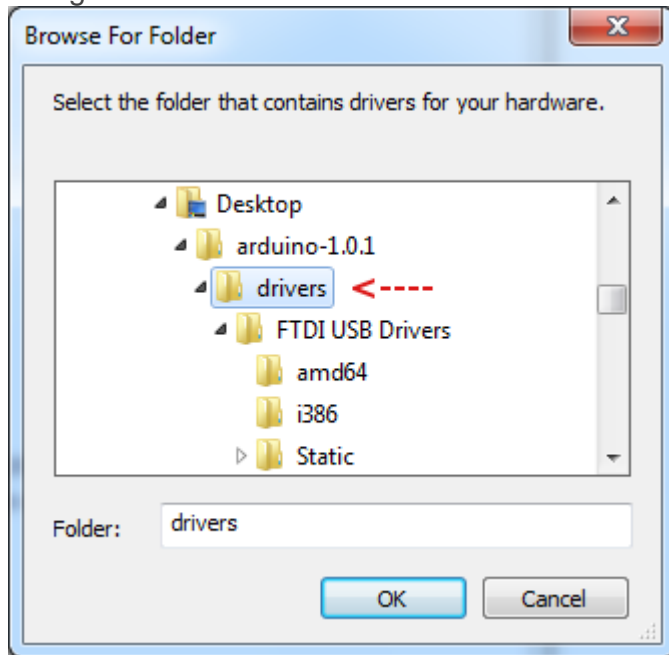
Install Driver Software Manually
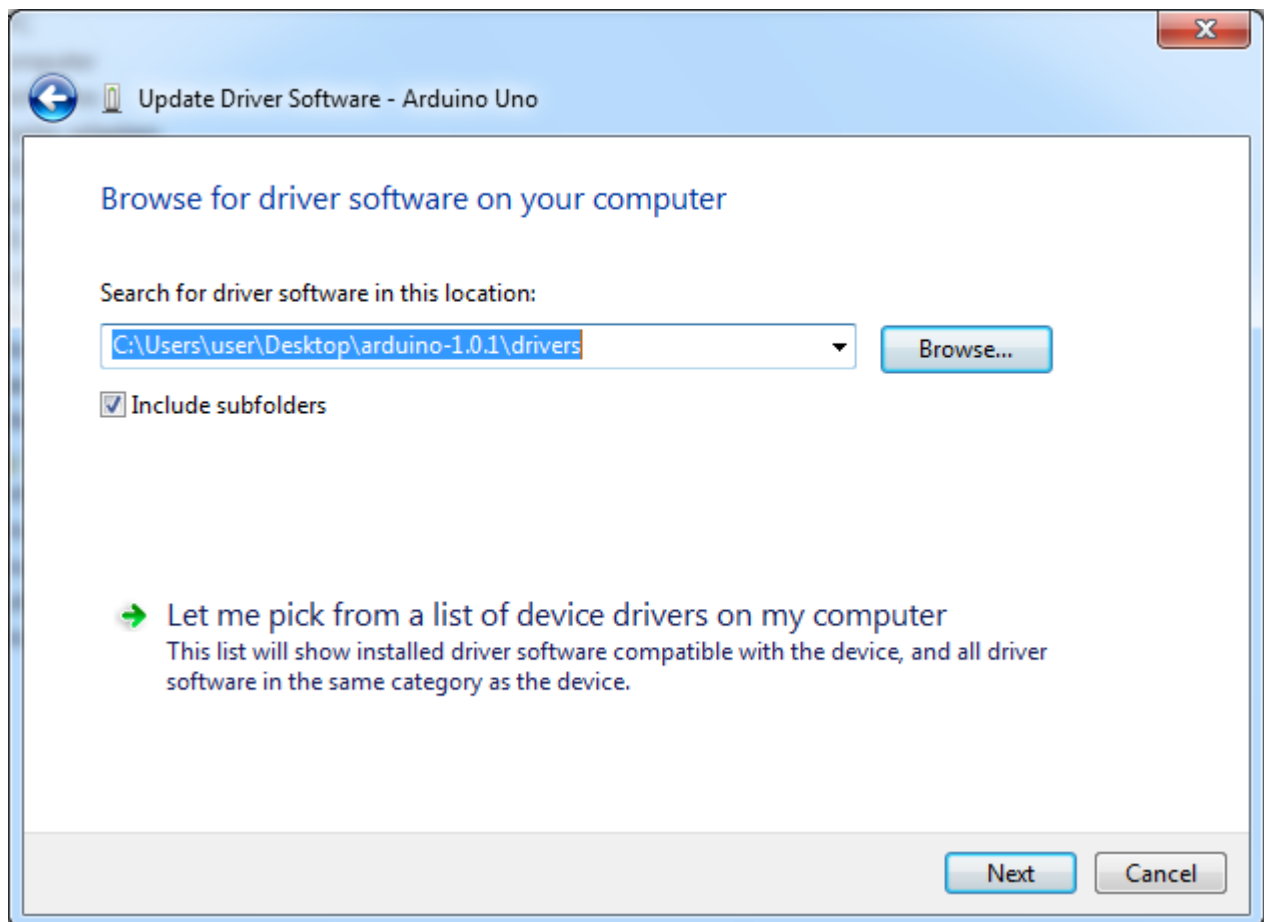
Next, click the **Browse...** button:

Click the Browse... Button to Navigate to the Drivers

Navigate to the **drivers** folder in the Arduino folder that you downloaded:
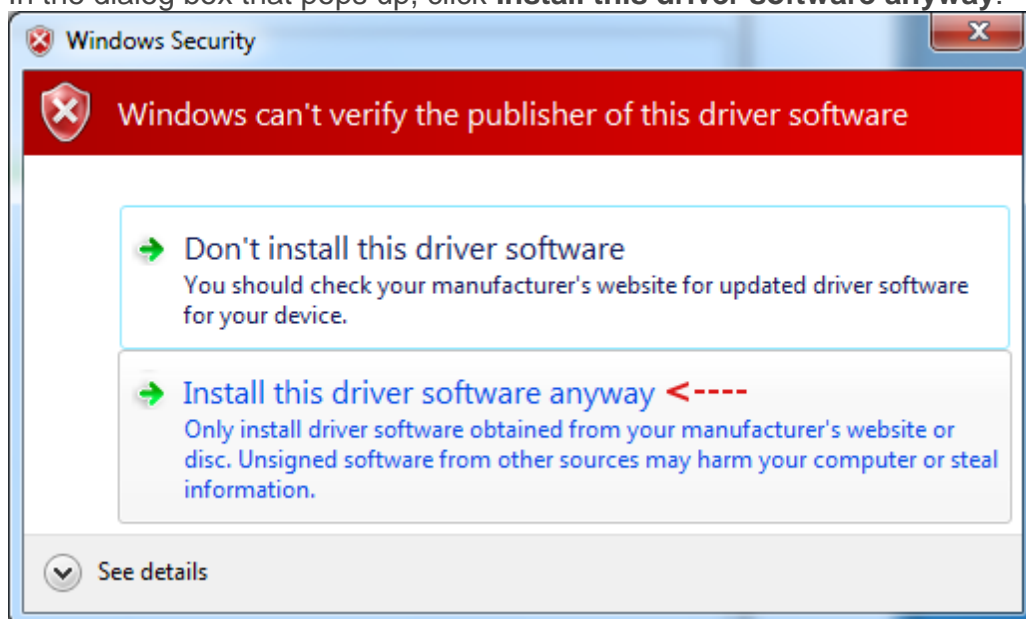

Navigate to the drivers Folder

After selecting the driver folder, click the **Next** button:
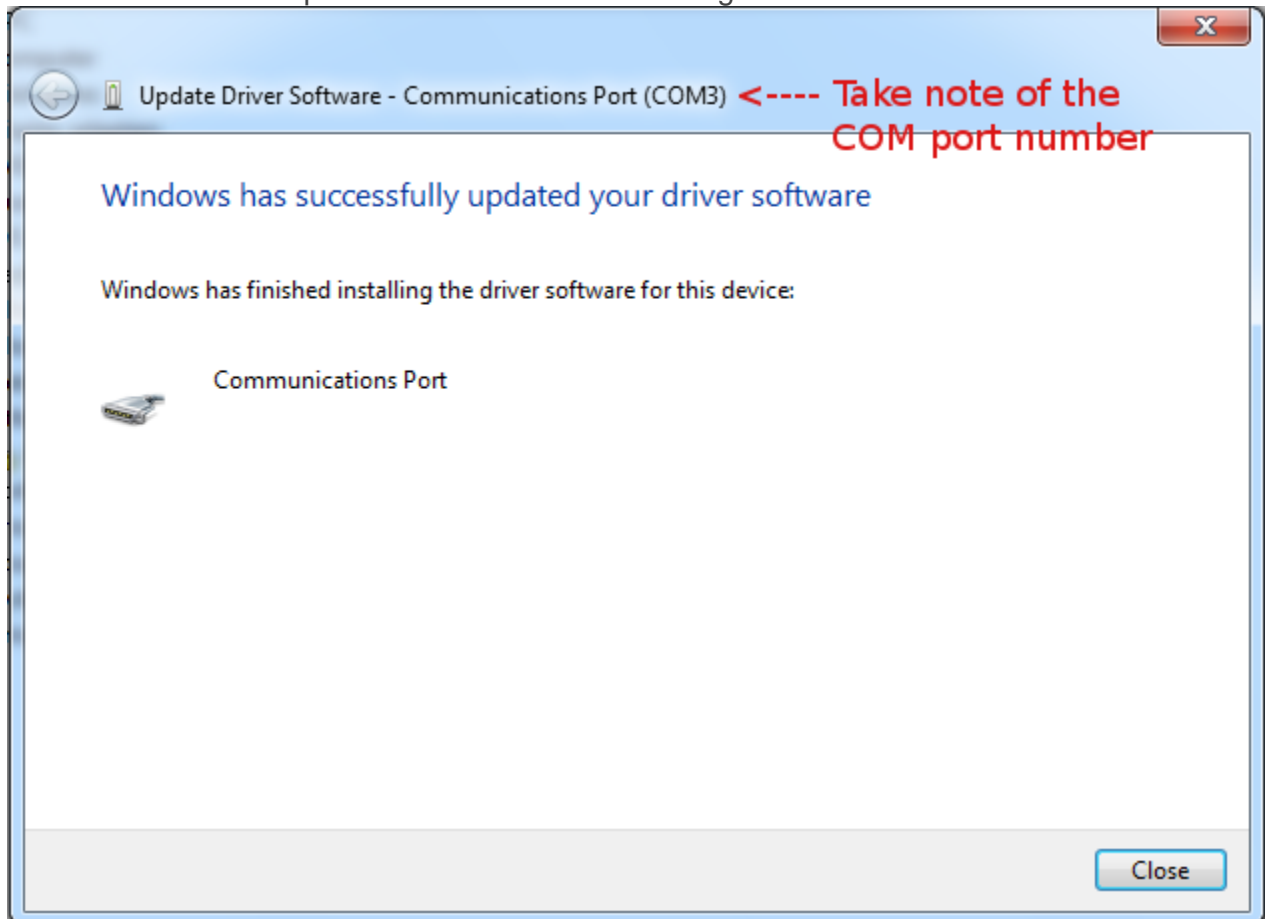
Click the Next Button

In the dialog box that pops up, click **Install this driver software anyway**:

Install the Driver Software

After some time, the driver installation will finish and you will see the following dialog box. Take note of the port that the Arduino was configured as. In this case it was **COM3**.
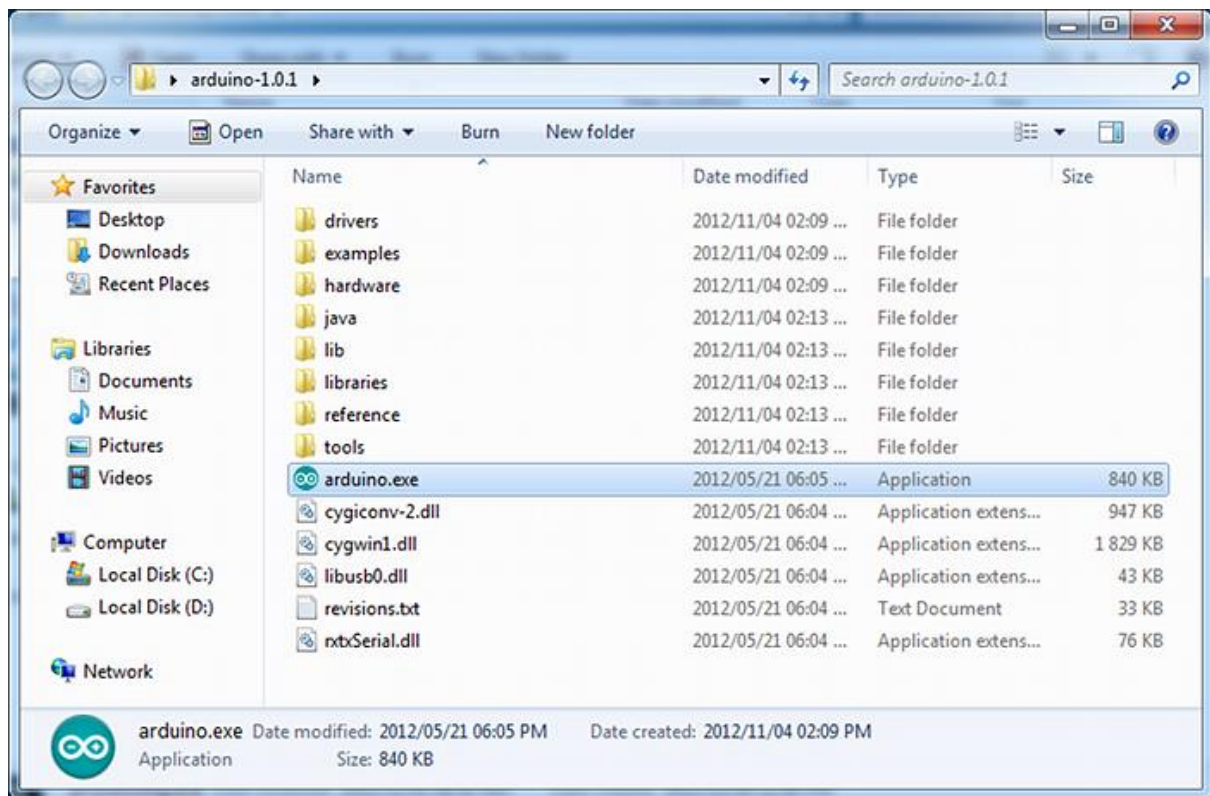

Installation Completed
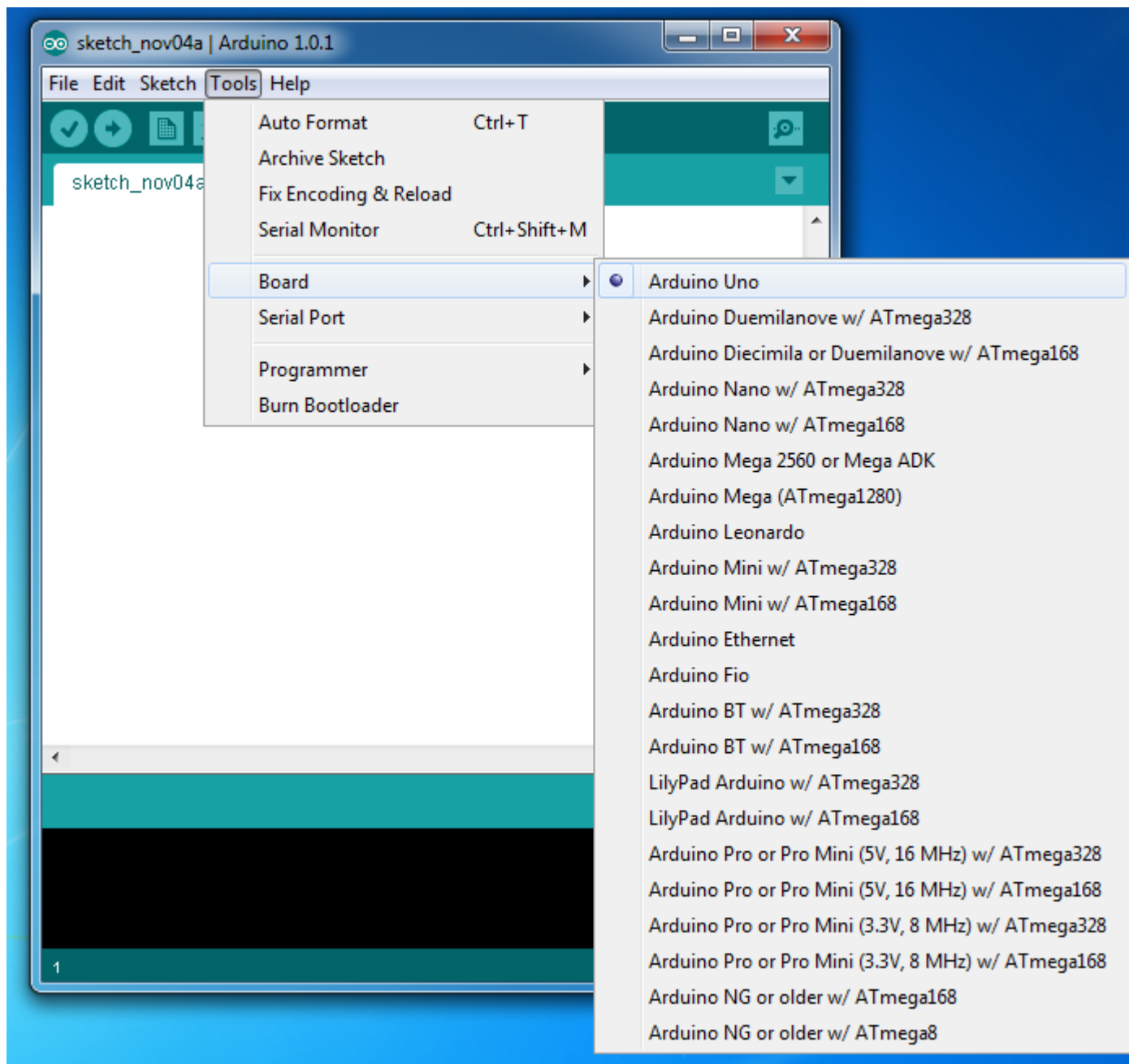
4. Setting up the Arduino Software

The setup will only need to be done once, unless you change the board type or port that the Arduino is connected to.

Navigate to the folder that you downloaded and start the Arduino software IDE by double-clicking the Arduino application:
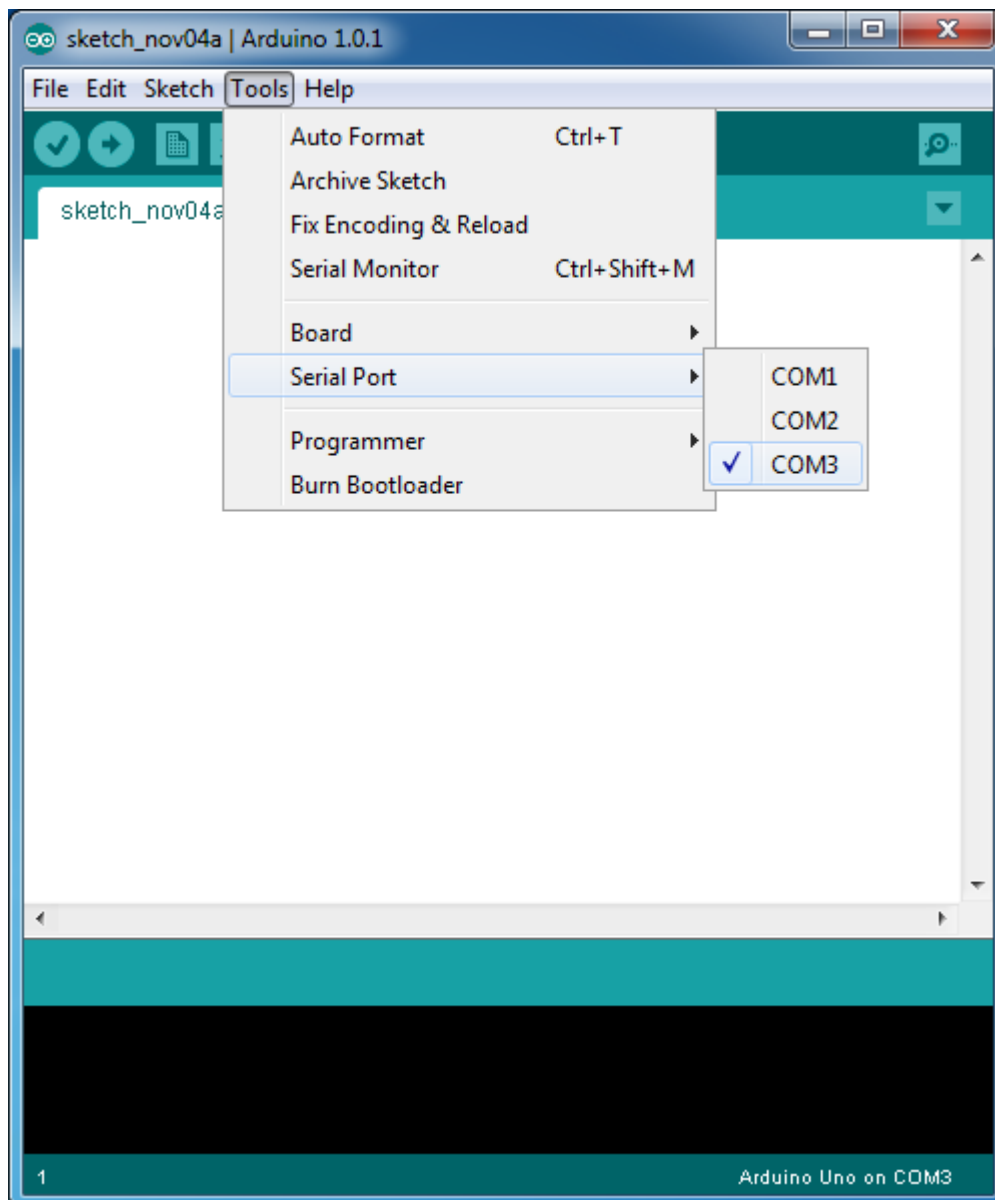
Starting the Arduino IDE

Check that the correct Arduino board is selected. Change if necessary:

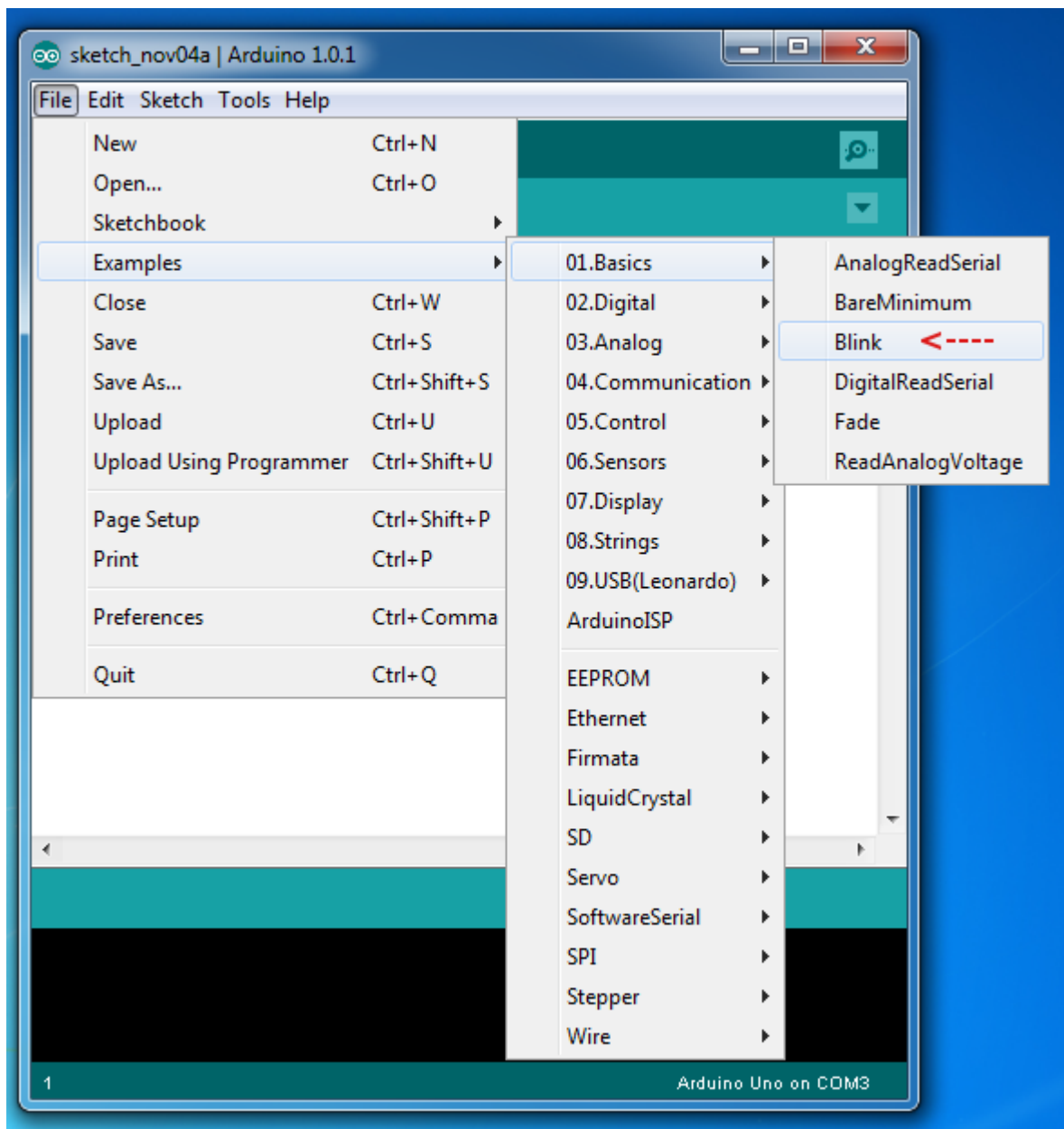**Check that the Correct Arduino Board is Selected**

Now check that the correct serial port is selected and change if necessary. This is the serial port that you took note of after installing the Arduino driver.

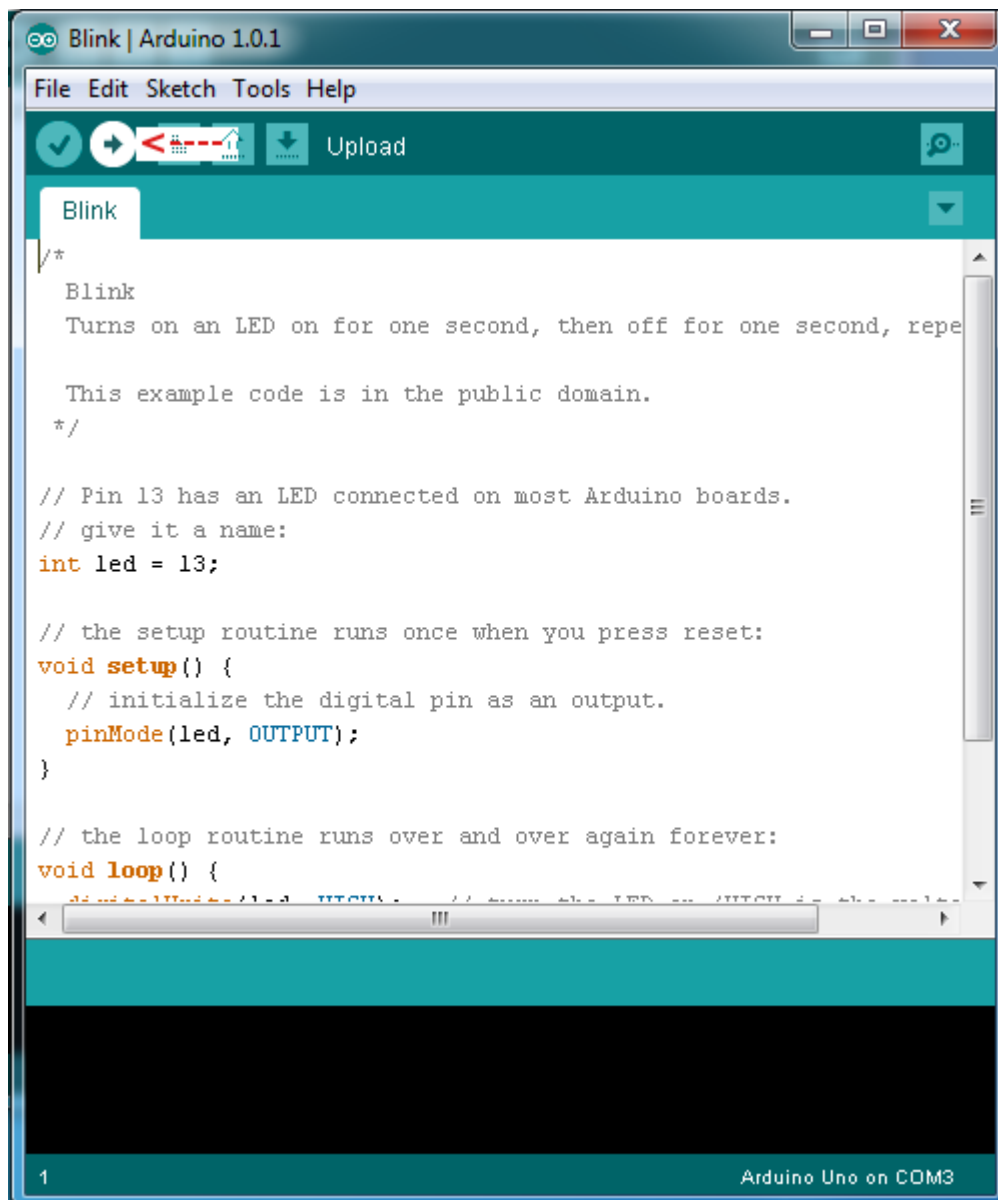**Selecting the Computer Serial Port that the Arduino is Attached To**

5. Testing the Installation

Open the **Blink** sketch in the Arduino IDE:

Opening the Blink Sketch

Click the Arduino Upload button to load the sketch to the Arduino. This sketch will flash the on-board LED on the Arduino. If the sketch runs then you know that you have successfully installed the Arduino software and driver.

Uploading the Blink Sketch to Test the Arduino