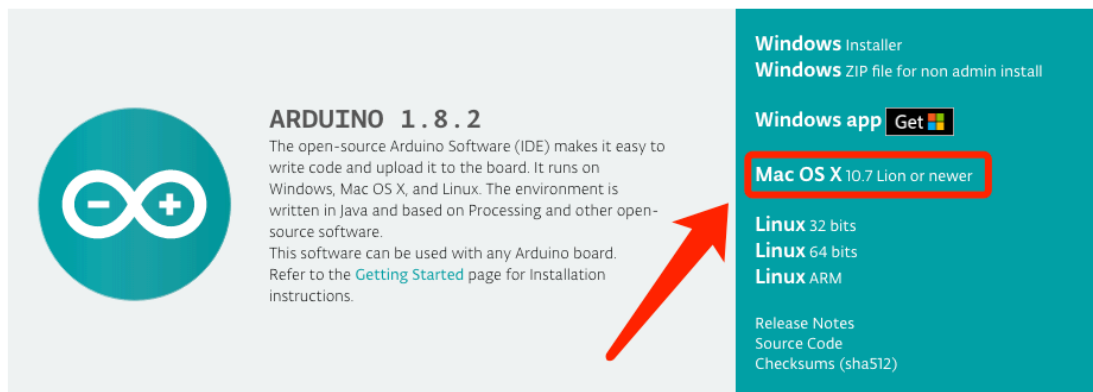


Arduino programming for MacOS

Step1: Download the Arduino Software (IDE)

- Open the URL: <https://www.arduino.cc/en/Main/Software> with browser
- Click Mac OSX 10.7 Lion or newer

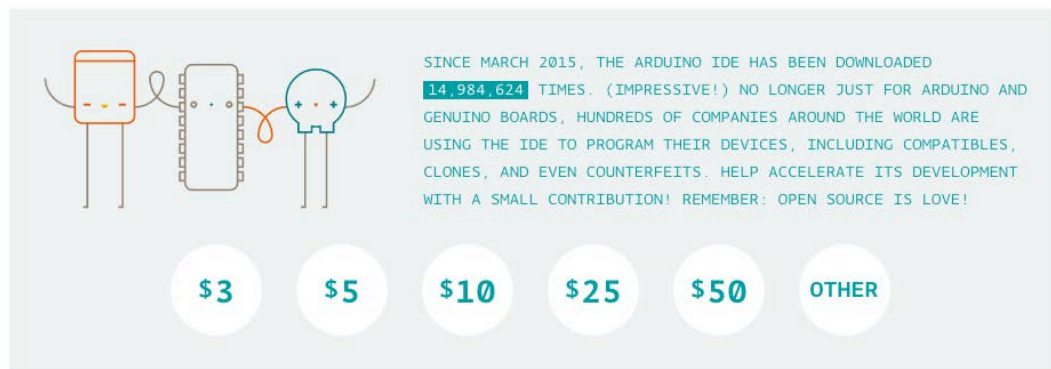
Download the Arduino IDE



- Click JUST DOWNLOAD

Support the Arduino Software

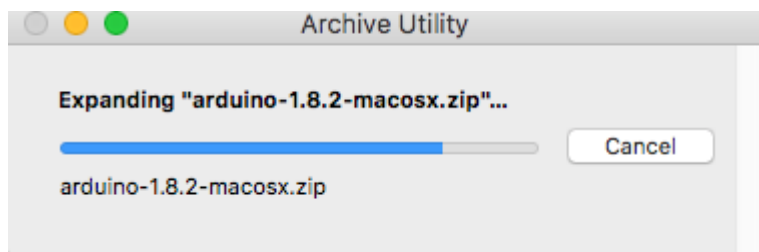
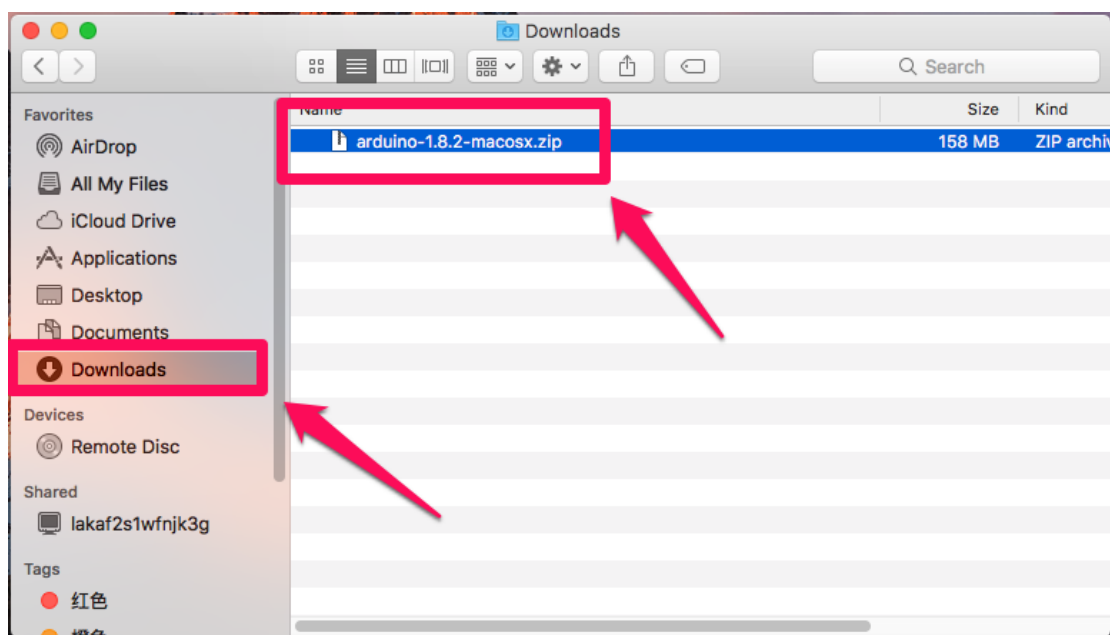
Consider supporting the Arduino Software by contributing to its development. (US tax payers, please note this contribution is not tax deductible). [Learn more on how your contribution will be used.](#)



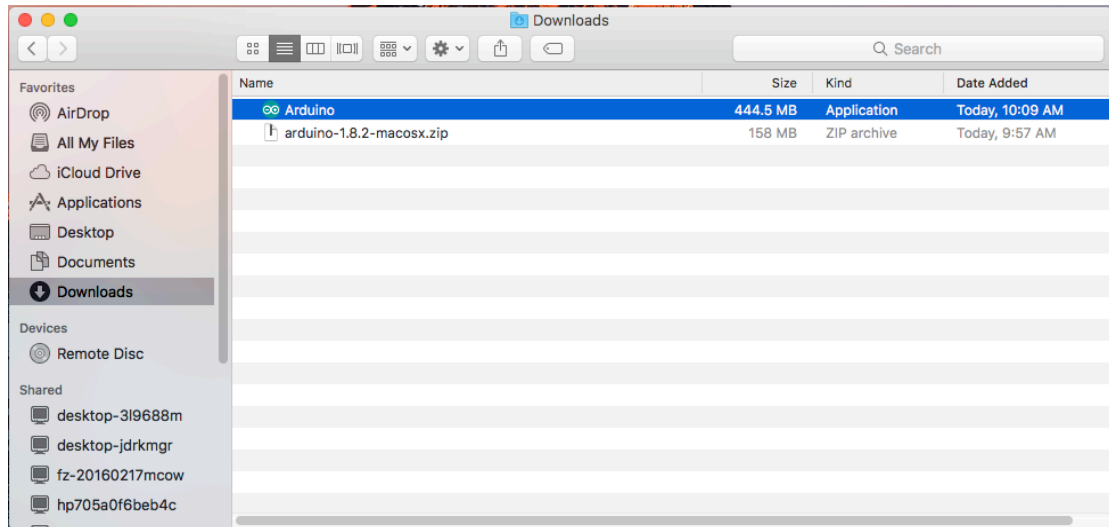
- Open Finder



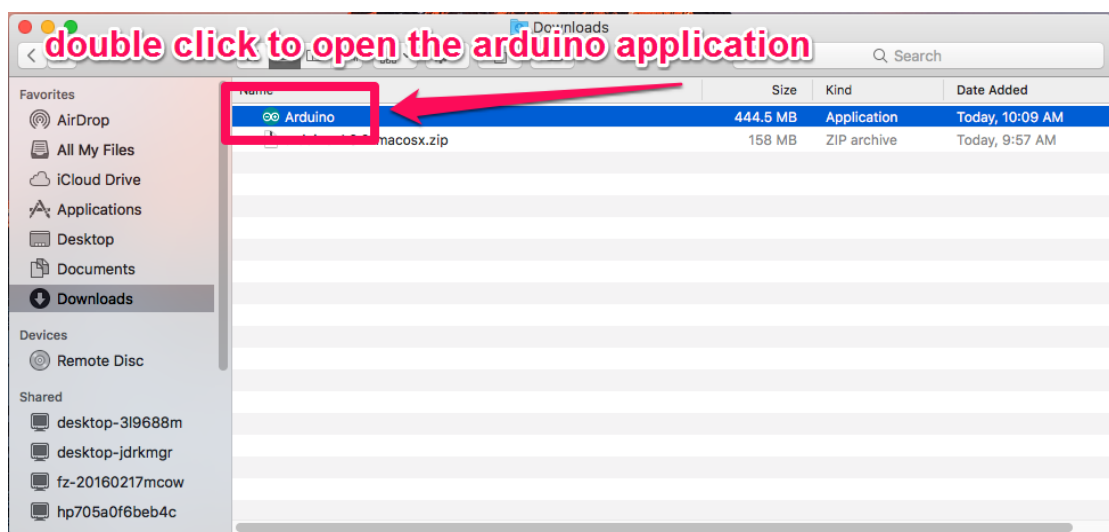
- The download file is arduino-1.8.2.-macosx.zip



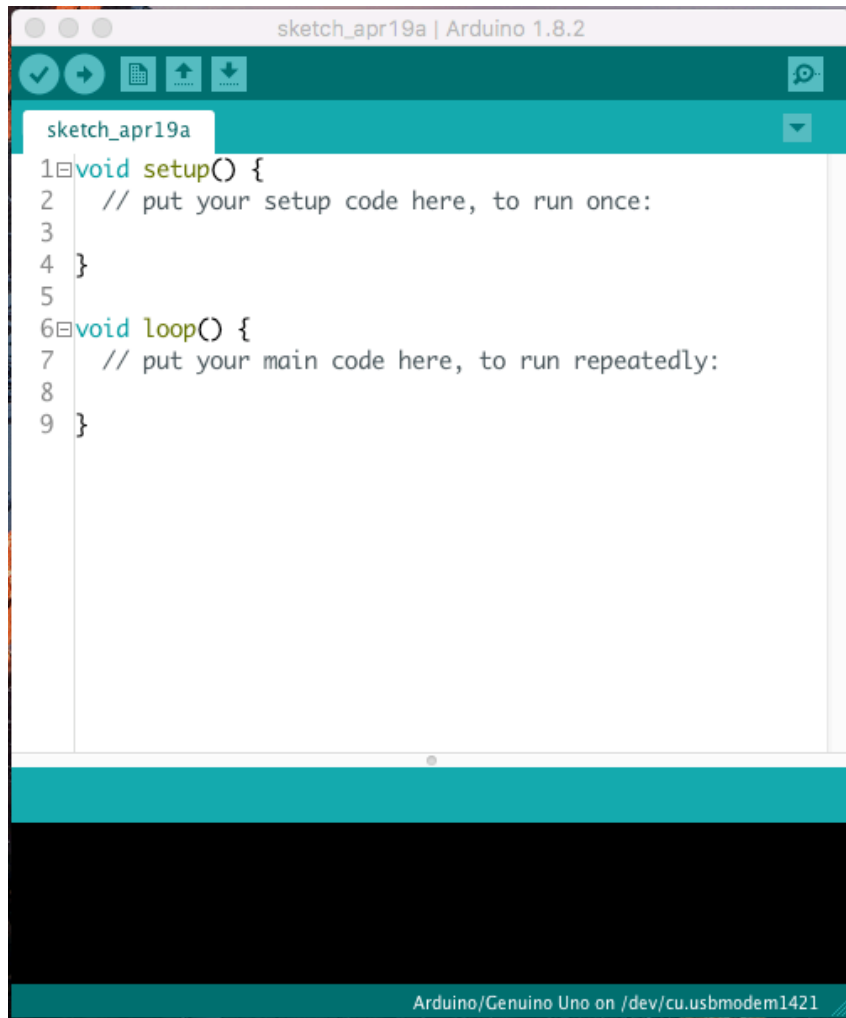
- Double click arduino-1.8.2.-macosx.zip to unzip the Arduino file



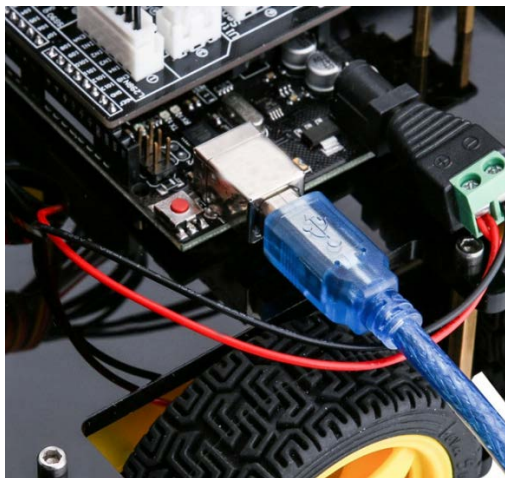
- Arduino file is the Arduino application, just double click to open it



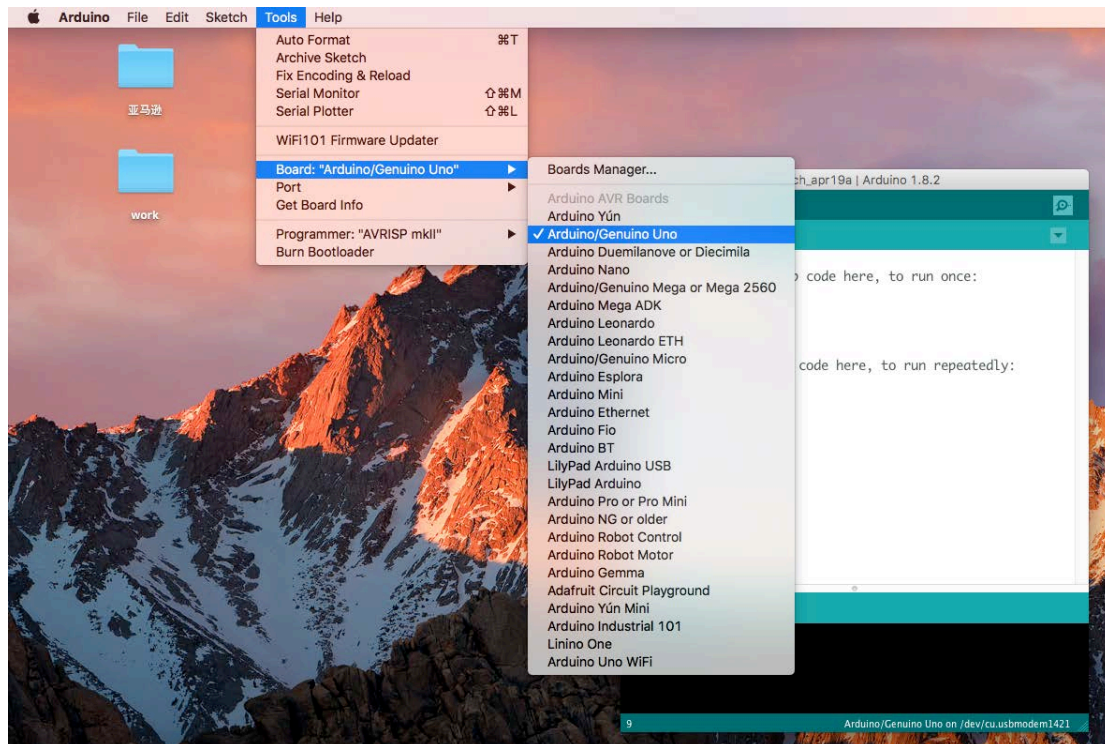
- Arduino IDE



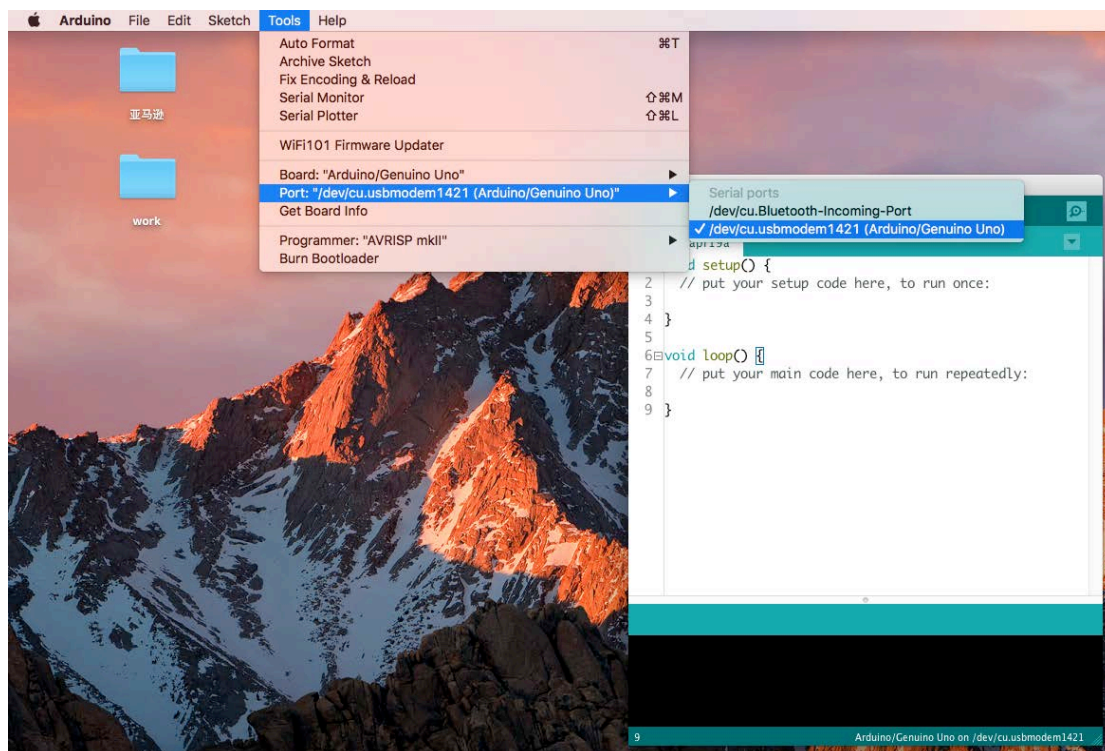
- Connect UNO to PC with USB and remove the Bluetooth module.



- Select UNO board



- Select port name

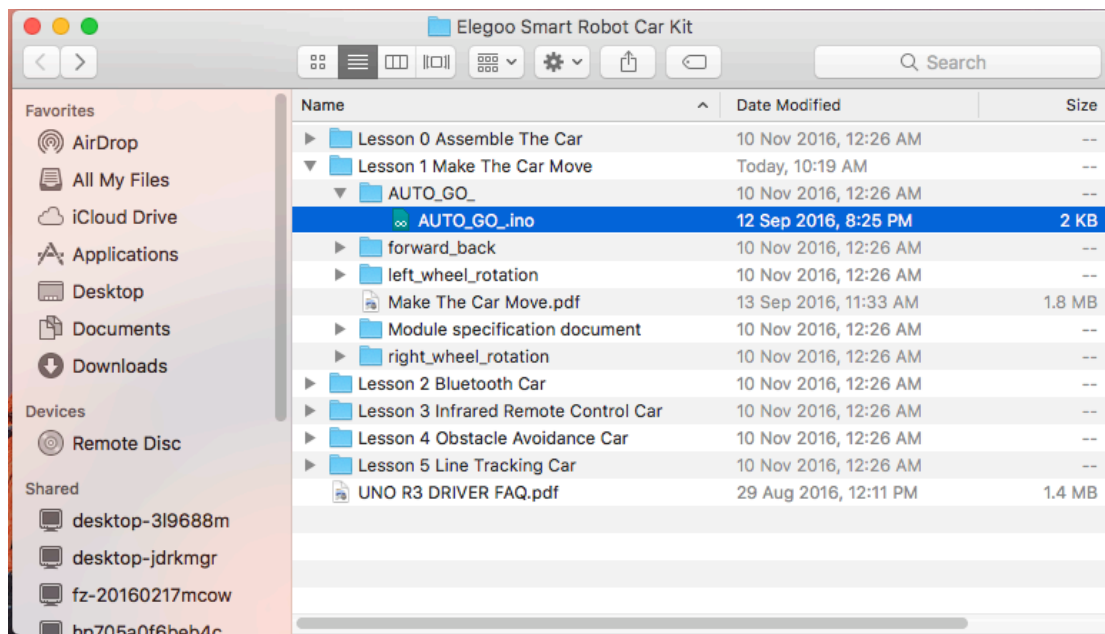


***Attention: The port name does not have to be the exact name on the screenshot above, but you will surely find a port for the UNO.**

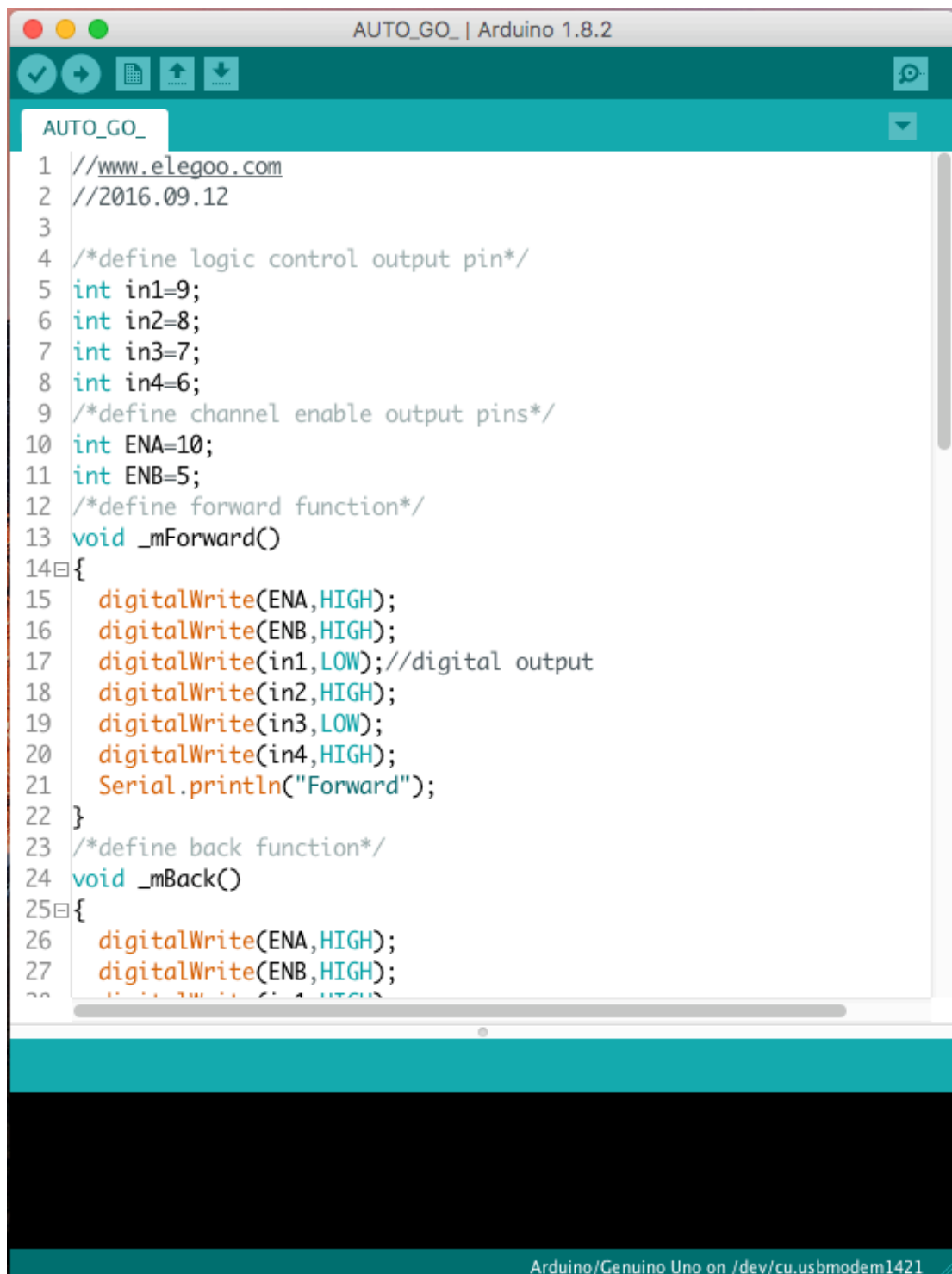
- Open a program AUTO_GO_.ino to test the Arduino software

The code in the directory: /Elegoo Smart Robot Car Kit/Lesson 1 Make The Car Move/AUTO_GO_/AUTO_GO_.ino

Double click AUTO_GO_.ino



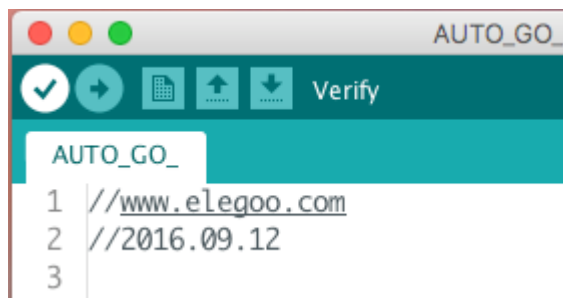
- After open the code



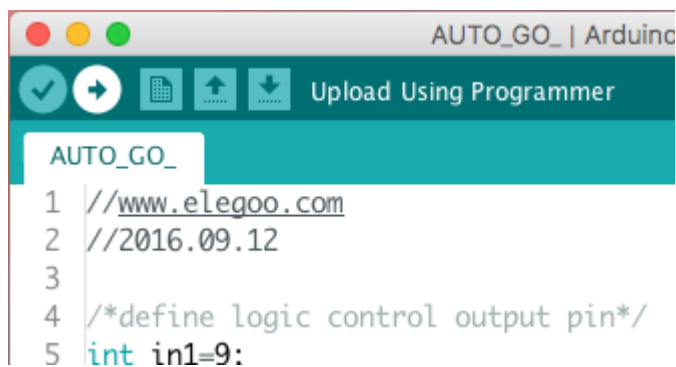
```
1 //www.elegoo.com
2 //2016.09.12
3
4 /*define logic control output pin*/
5 int in1=9;
6 int in2=8;
7 int in3=7;
8 int in4=6;
9 /*define channel enable output pins*/
10 int ENA=10;
11 int ENB=5;
12 /*define forward function*/
13 void _mForward()
14 {
15     digitalWrite(ENA,HIGH);
16     digitalWrite(ENB,HIGH);
17     digitalWrite(in1,LOW); //digital output
18     digitalWrite(in2,HIGH);
19     digitalWrite(in3,LOW);
20     digitalWrite(in4,HIGH);
21     Serial.println("Forward");
22 }
23 /*define back function*/
24 void _mBack()
25 {
26     digitalWrite(ENA,HIGH);
27     digitalWrite(ENB,HIGH);
28     digitalWrite(in1,HIGH);
29     digitalWrite(in2,LOW);
30     digitalWrite(in3,HIGH);
31     digitalWrite(in4,LOW);
32     Serial.println("Back");
33 }
```

Arduino/Genuino Uno on /dev/cu.usbmodem1421

- Click the hook button to verify the code



- Click the arrow button to upload the code



- Done uploading

