

How To Get Started With Mixly



❖ Download the Mixly software

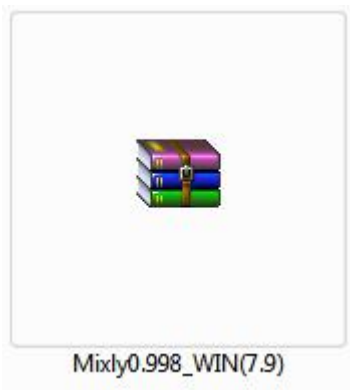
Here we provide you with the Mixly0.998 Win(7.9) software. You can download the software from the link below:

<https://drive.google.com/open?id=1CtP1bvZB-o4M5SfvIOOwFz-488gWsFTJ>

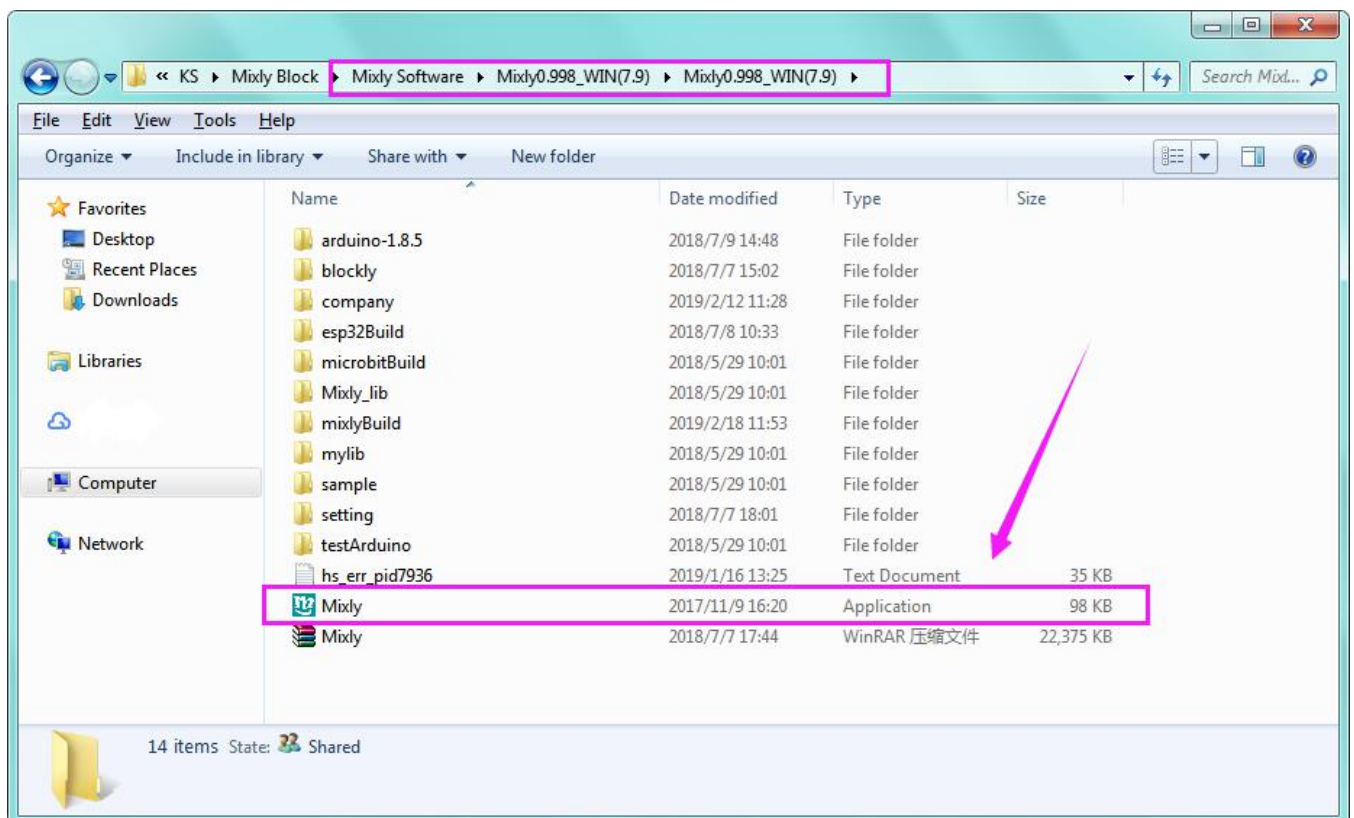
Download MAC system version from the link below:

https://drive.google.com/open?id=1S0N_q73Dcyp85DjnbYm6MocZm3penOqU

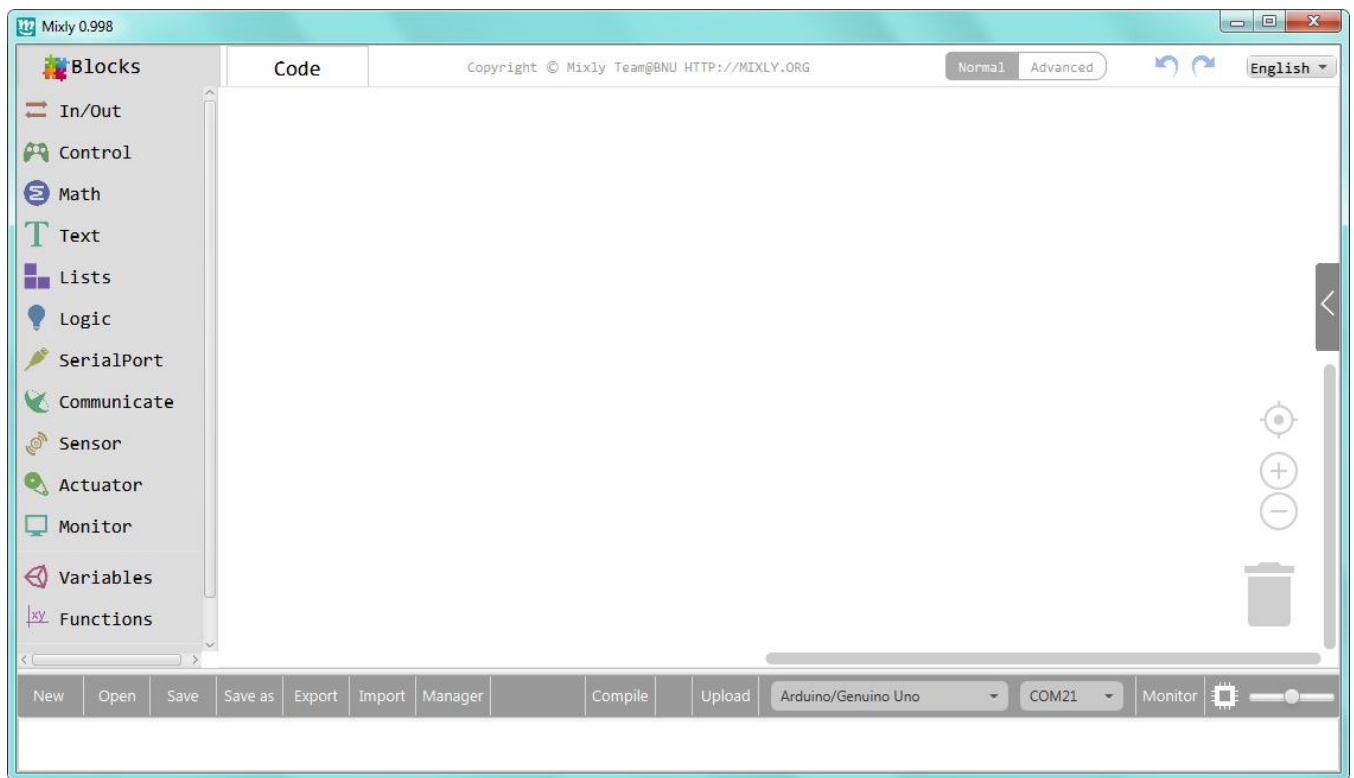
Downloaded the Mixly software package, you should get it as below:



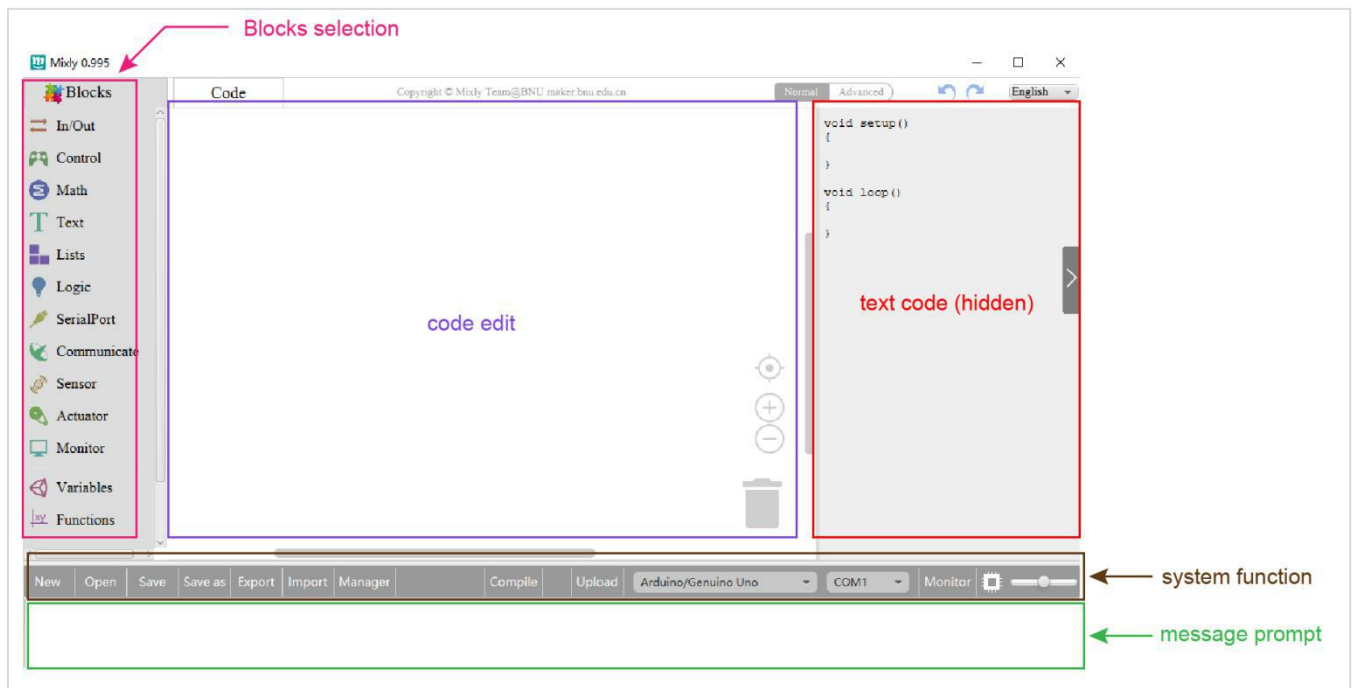
Unzip the package, you can see the Mixly application icon.

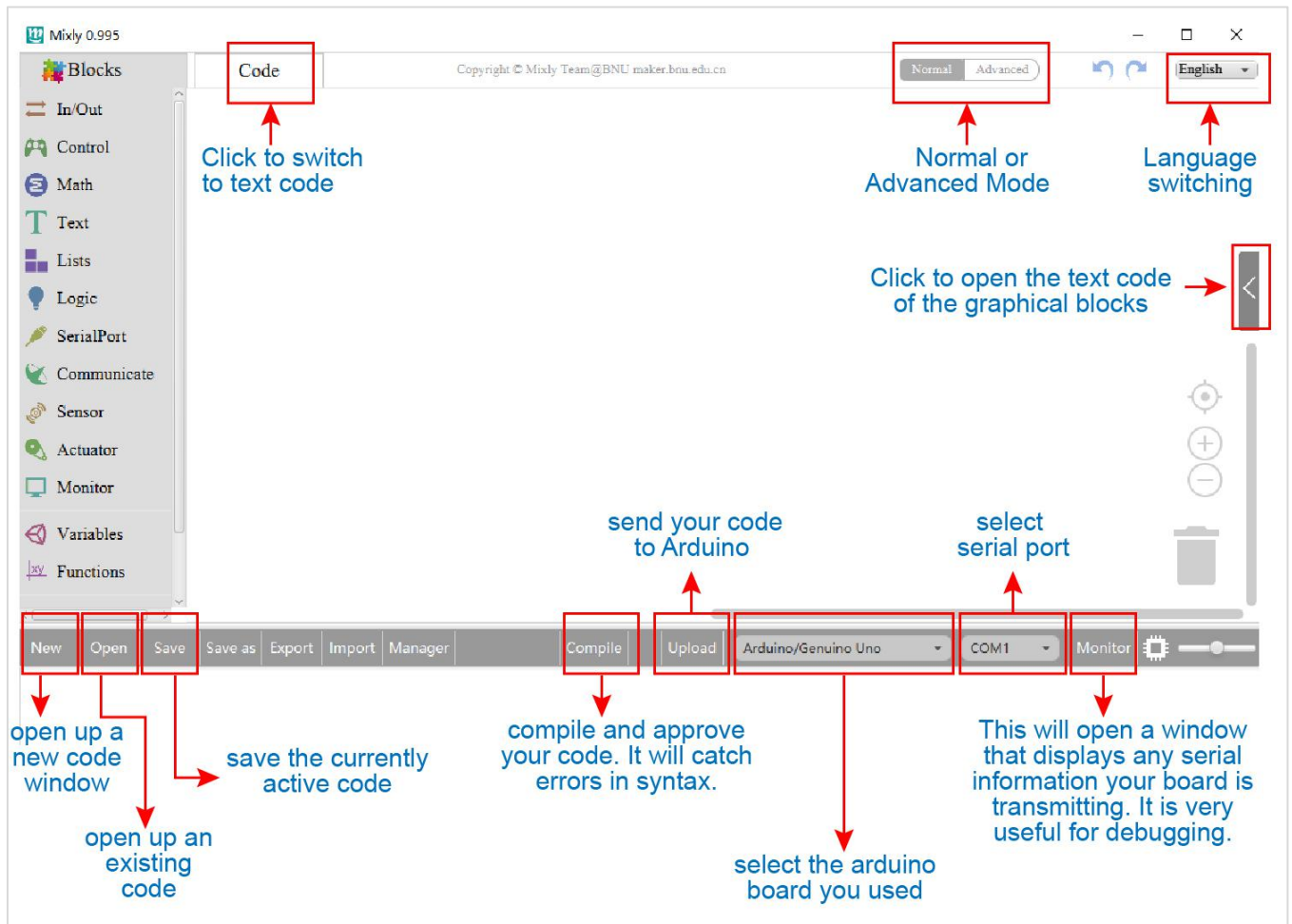


Double click the Mixly icon to open the software; you should get the pop-up interface shown below.



Interface Functions:

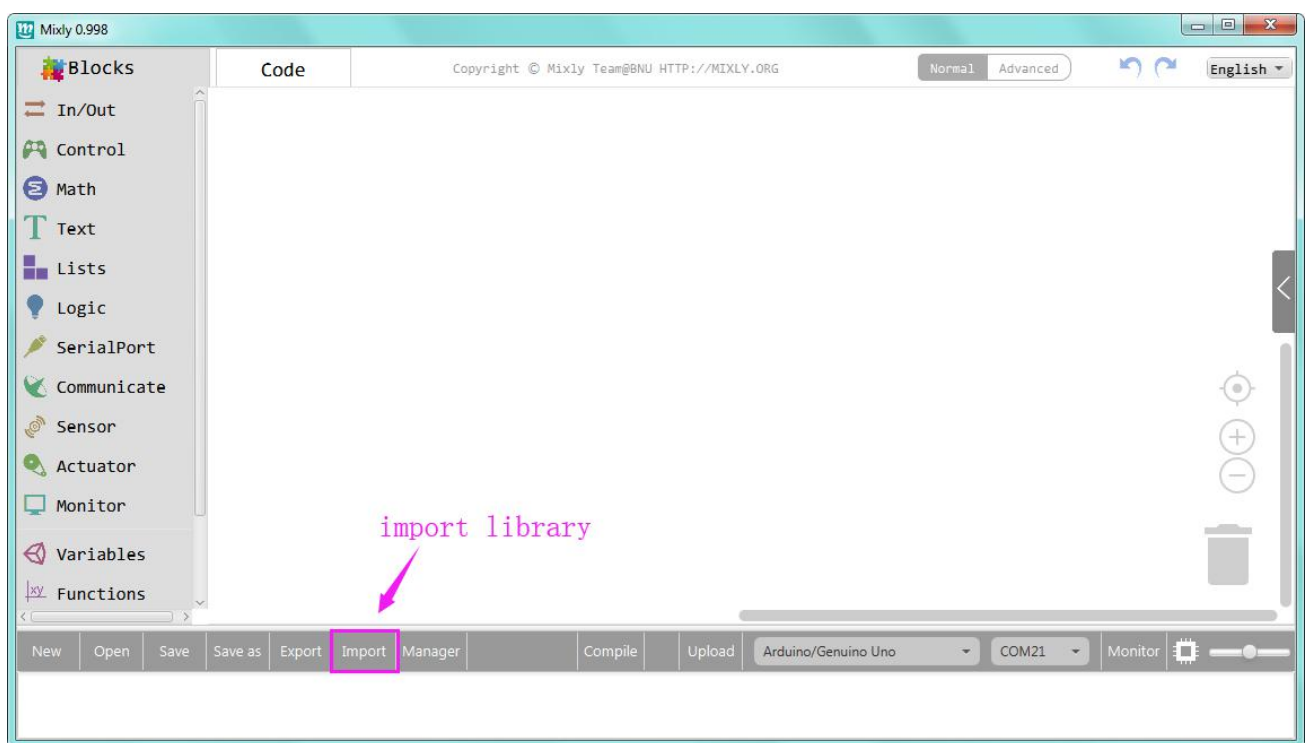




❖ Import the Library

- 1) Begin with the Mixly projects, the first step you should import the corresponding library.

Open the Mixly 0.998 software, click **Import**. Shown below.



- 2) Unzip the library package we provided, [kidsbits](#), [keystudio](#) or [KS_EasyPlug](#)



keyes_kidsbits



keystudio



KS_EasyPlug

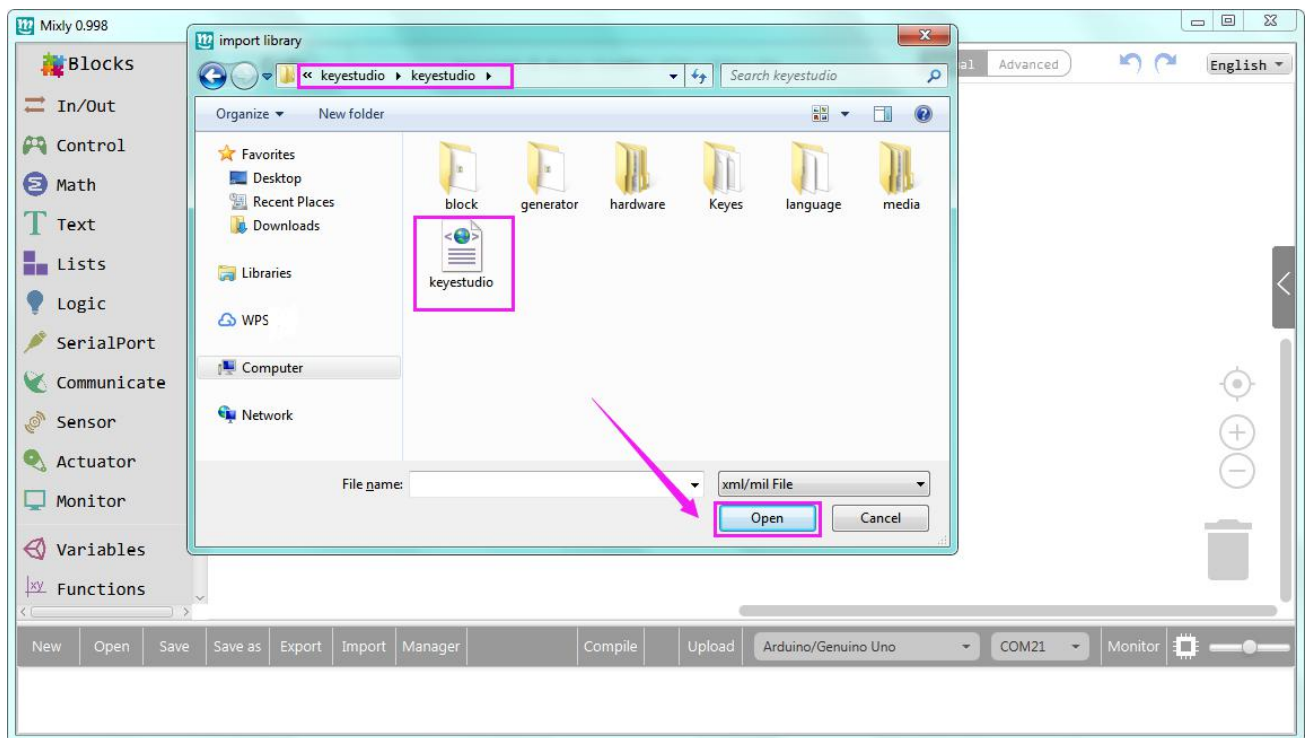
You can download the library from the link below:

https://drive.google.com/open?id=1oXmG0ywhsFf9zRqCB_0kuTaQg_xcXRG2

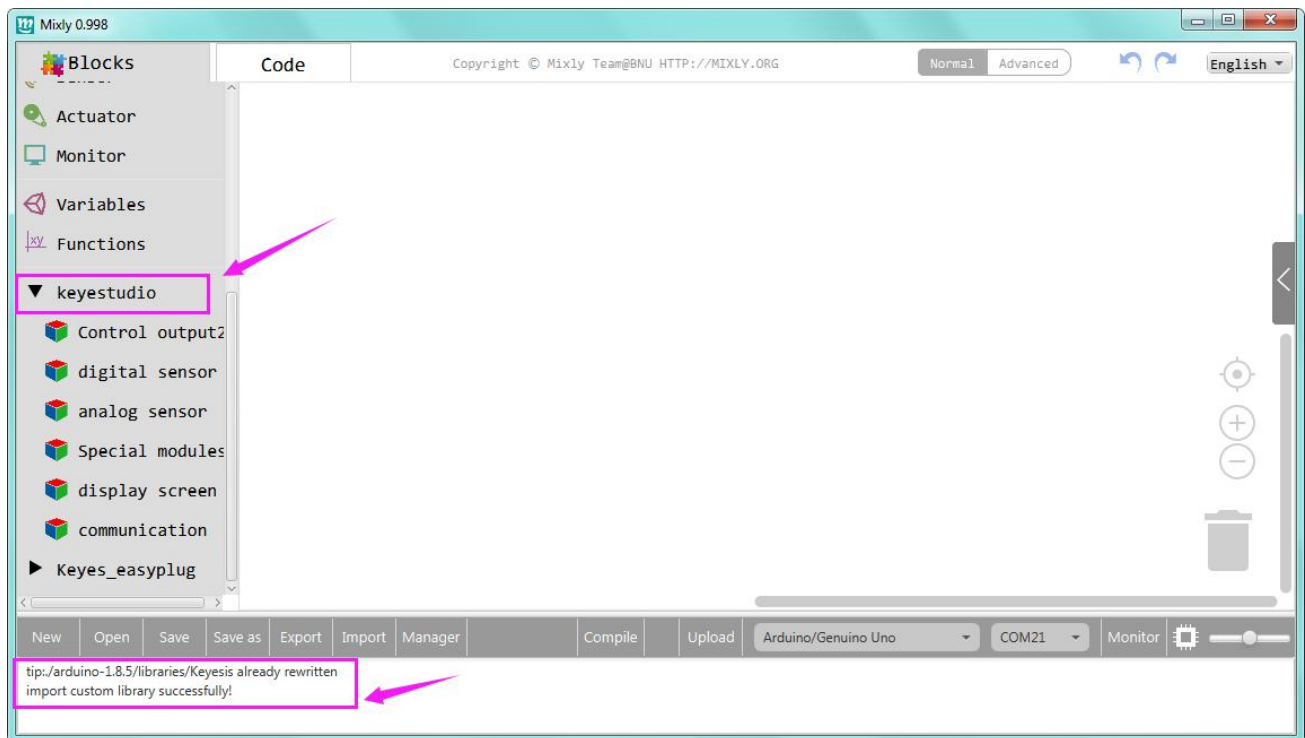
We take the **keystudio library** as an example:

In the Mixly window, click **Import**, then select to import the library keystudio.

You can also double-click to open the library keystudio.



3) If import the custom library successfully, you should see success prompt is displayed on the Mixly blocks interface.



Now, import the keyestudio library successfully.

You can use the same method to import the [kidsbits](#) or [KS_EasyPlug](#) library.

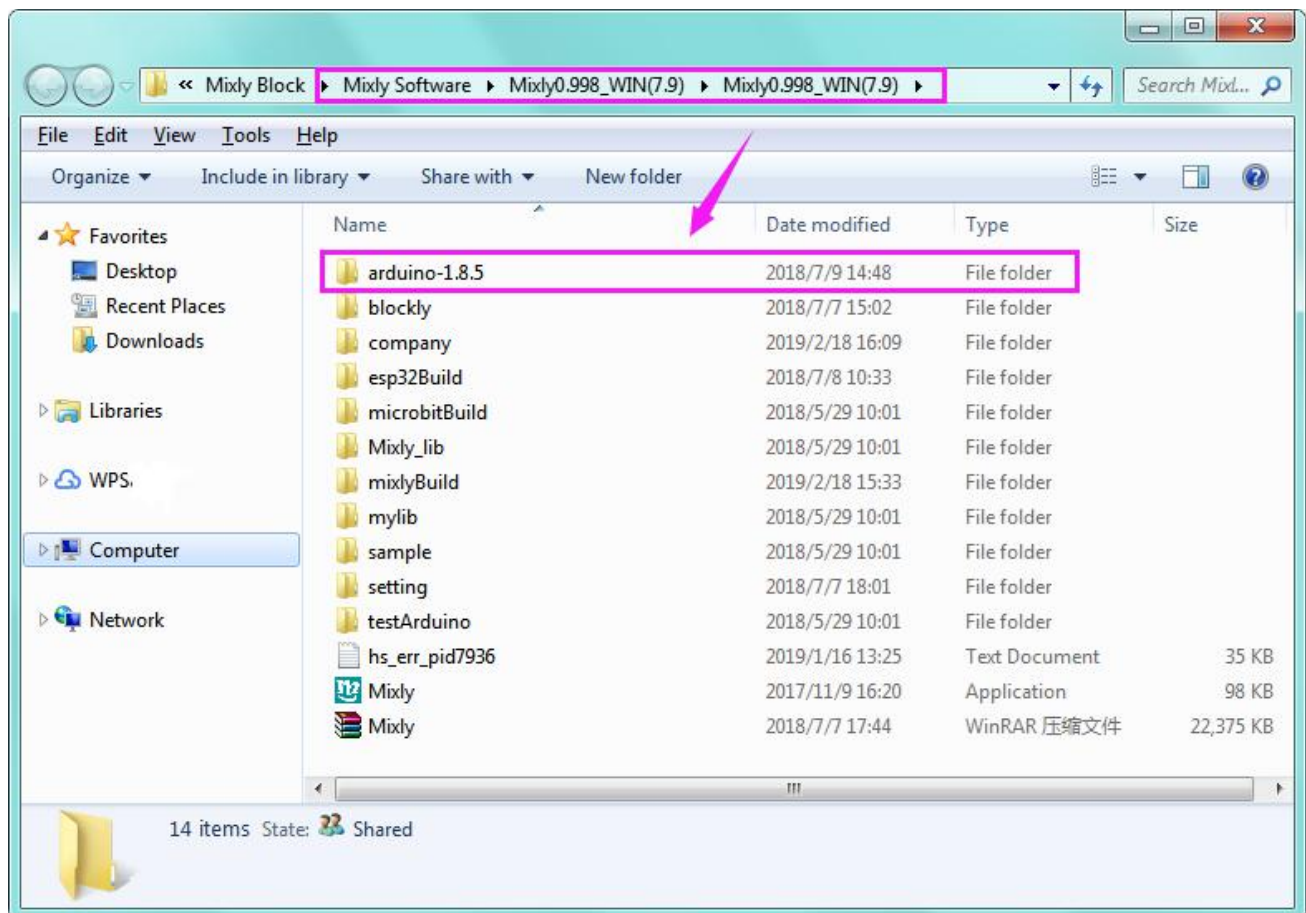
Pay special attention to:

How to add the necessary libraries for complicated projects?

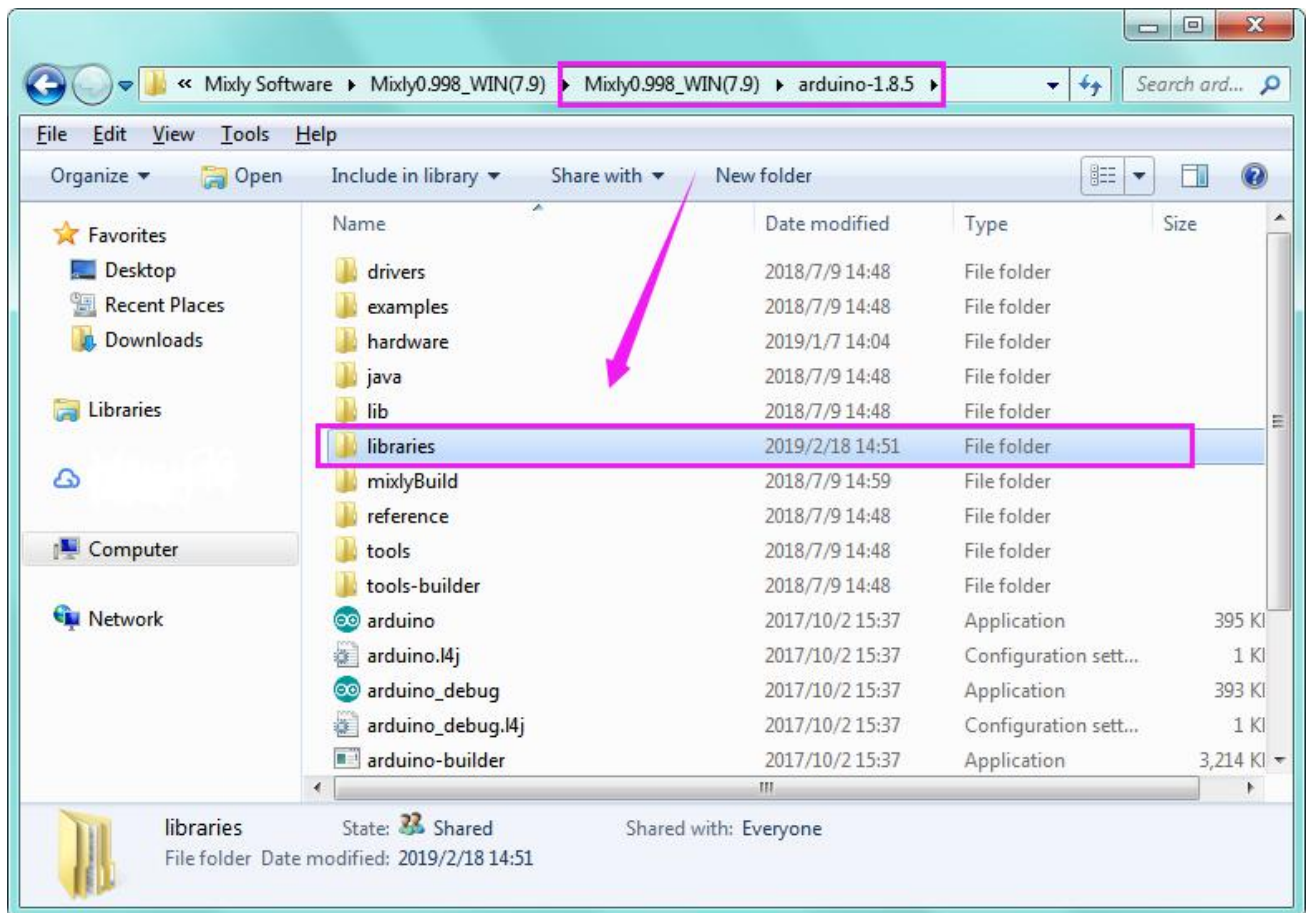
Sometimes we need to call the library when compiling the code, so how should we add the code libraries? Like *IRremote.h*

It is very simple. You can follow the instructions below.

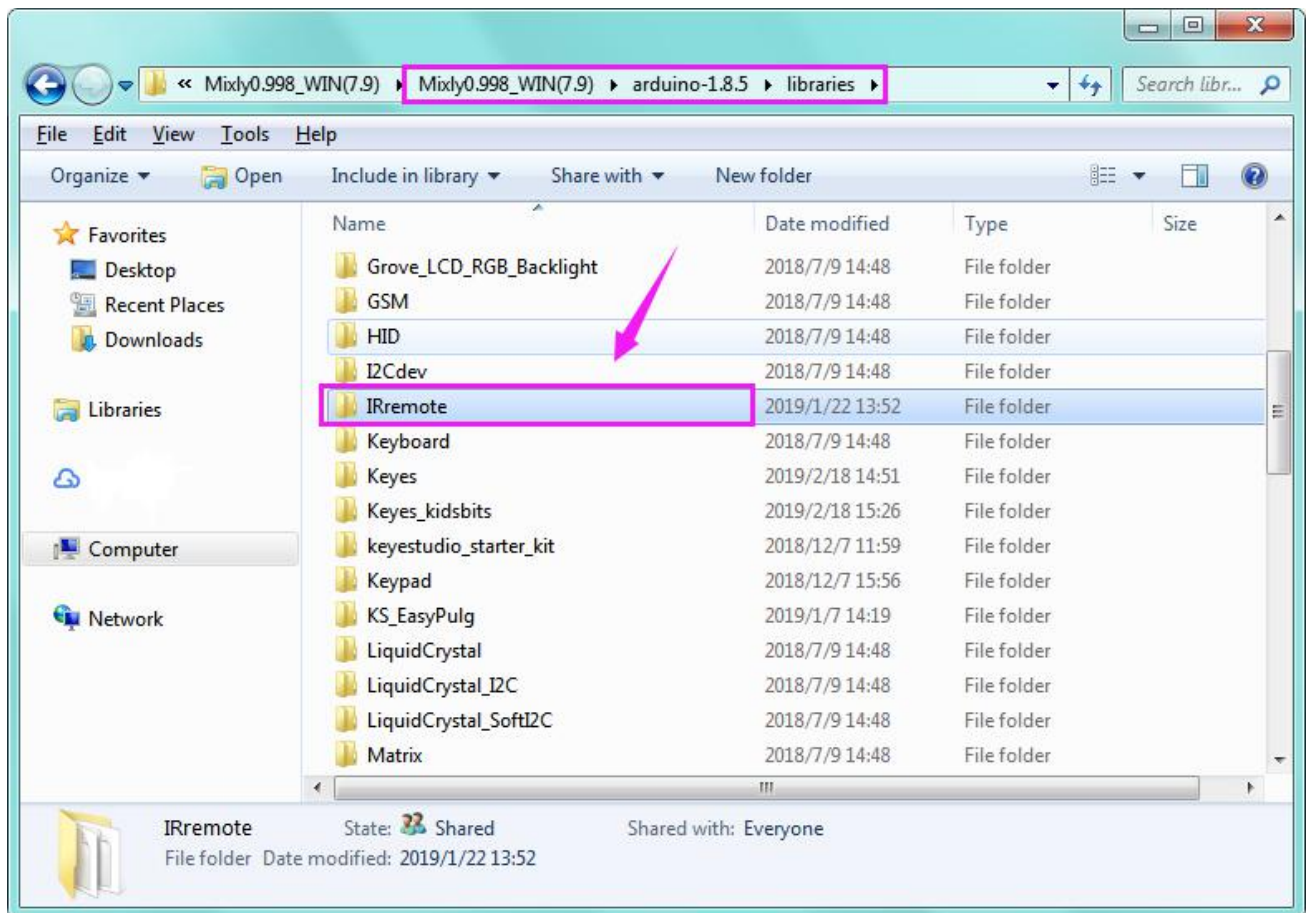
To begin with, you can right-click Mixly icon to open the file location. Inside the Mixly directory, find the arduino-1.8.5 folder.



Open the arduino-1.8.5 folder, you should see the libraries folder.



Just place the library *IRremote* folder you need inside the arduino libraries folder.
Shown below.



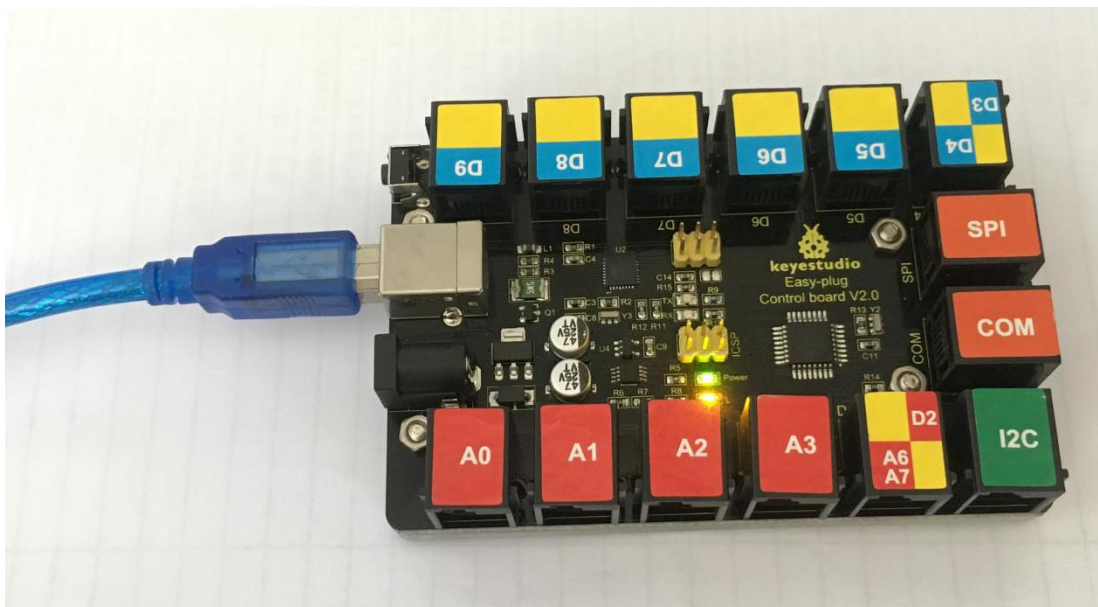
Next, ready to play your amazing Mixly project!

❖ Try Your First Mixly Project - Saying Hello World

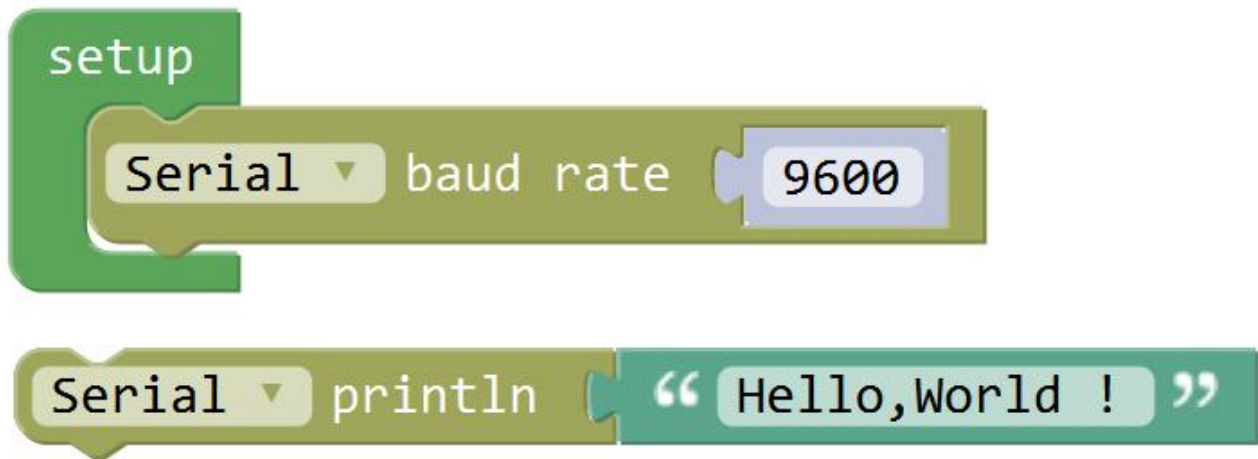
Next, we will take our EASY Plug control board as an example:

1) Hookup Guide

Connect the control board to your computer via a micro USB cable.

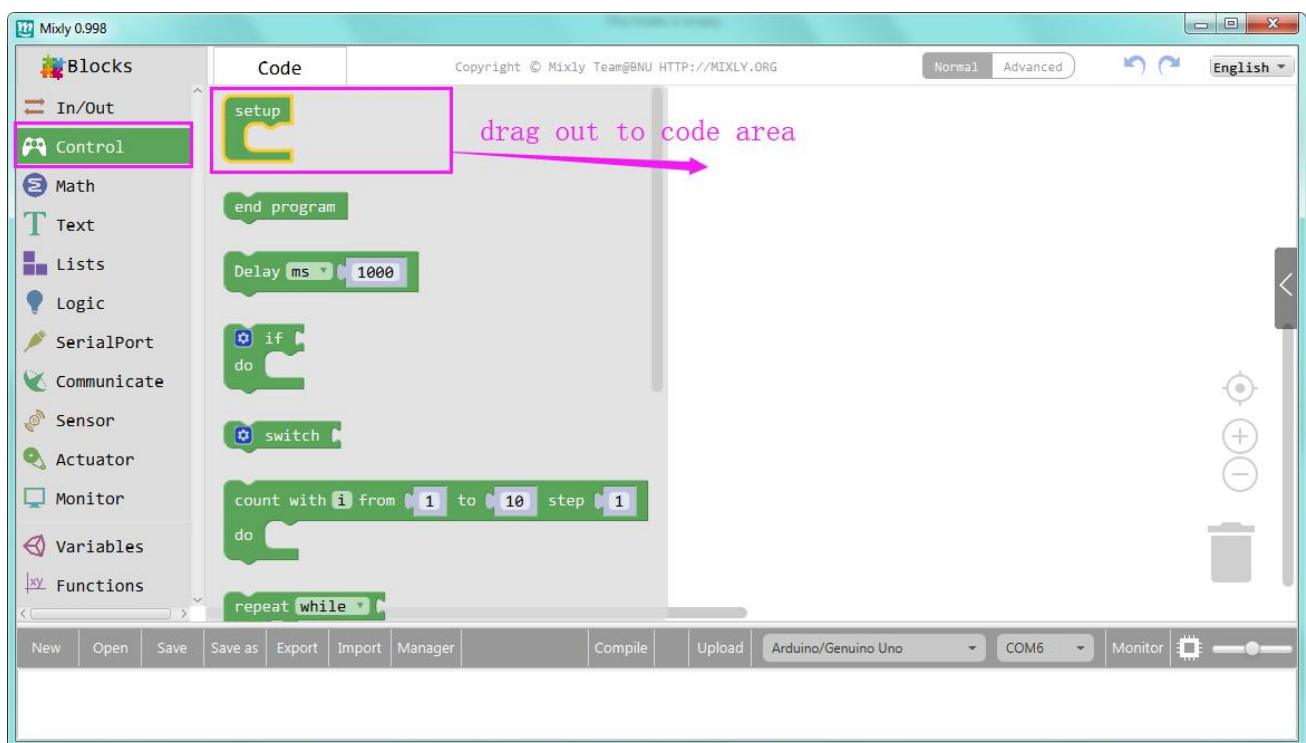


2) Open the Program

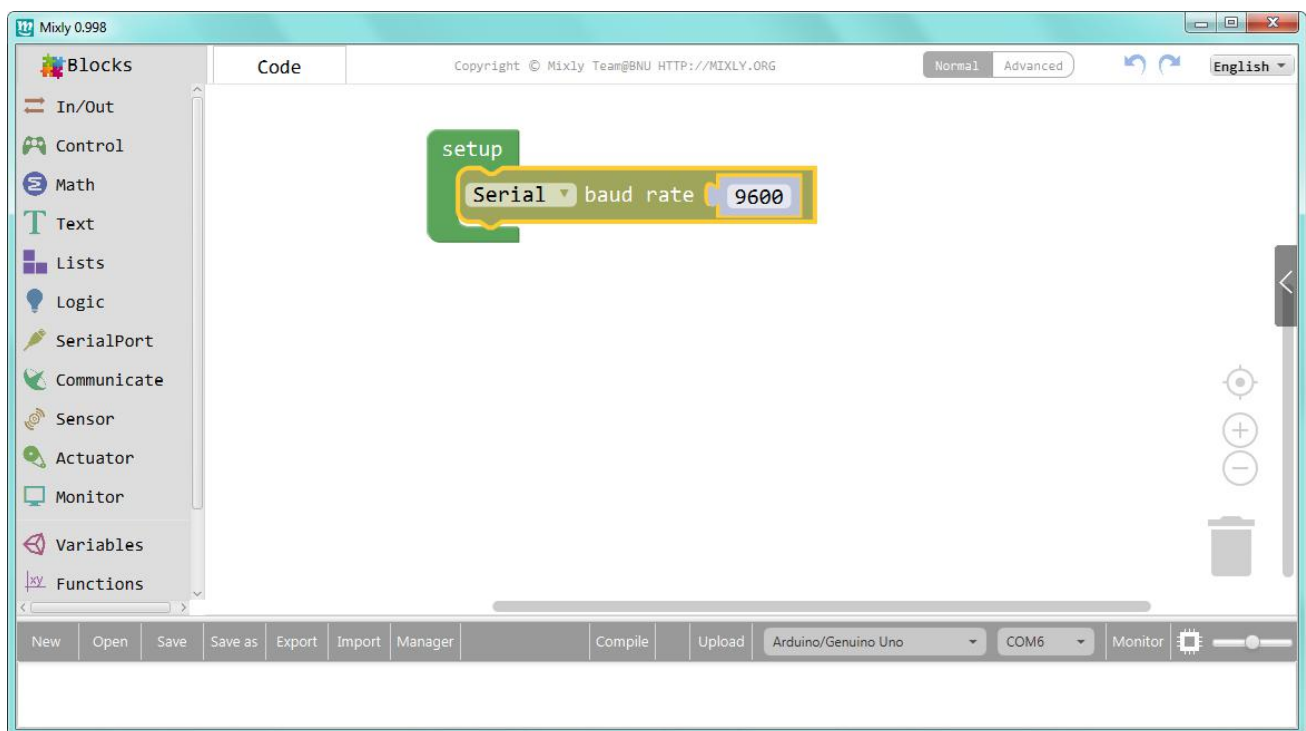
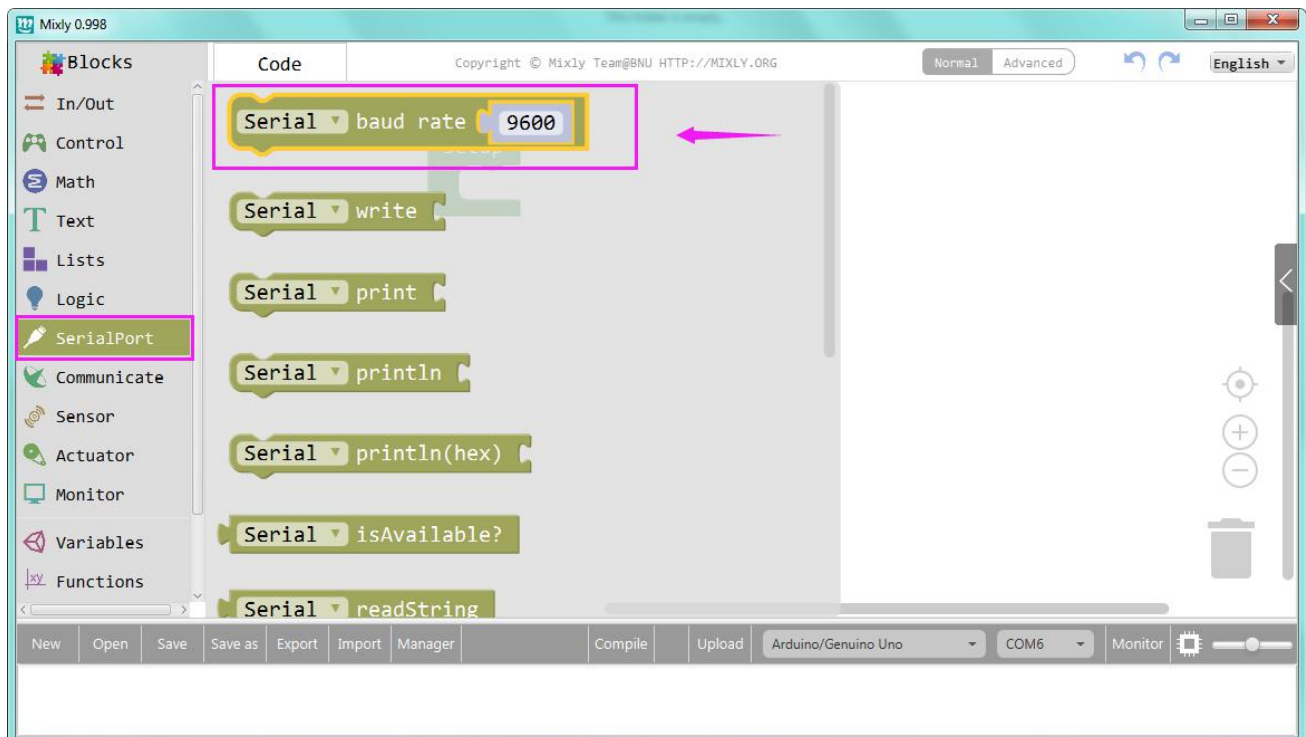


You can directly drag the blocks out to make it.

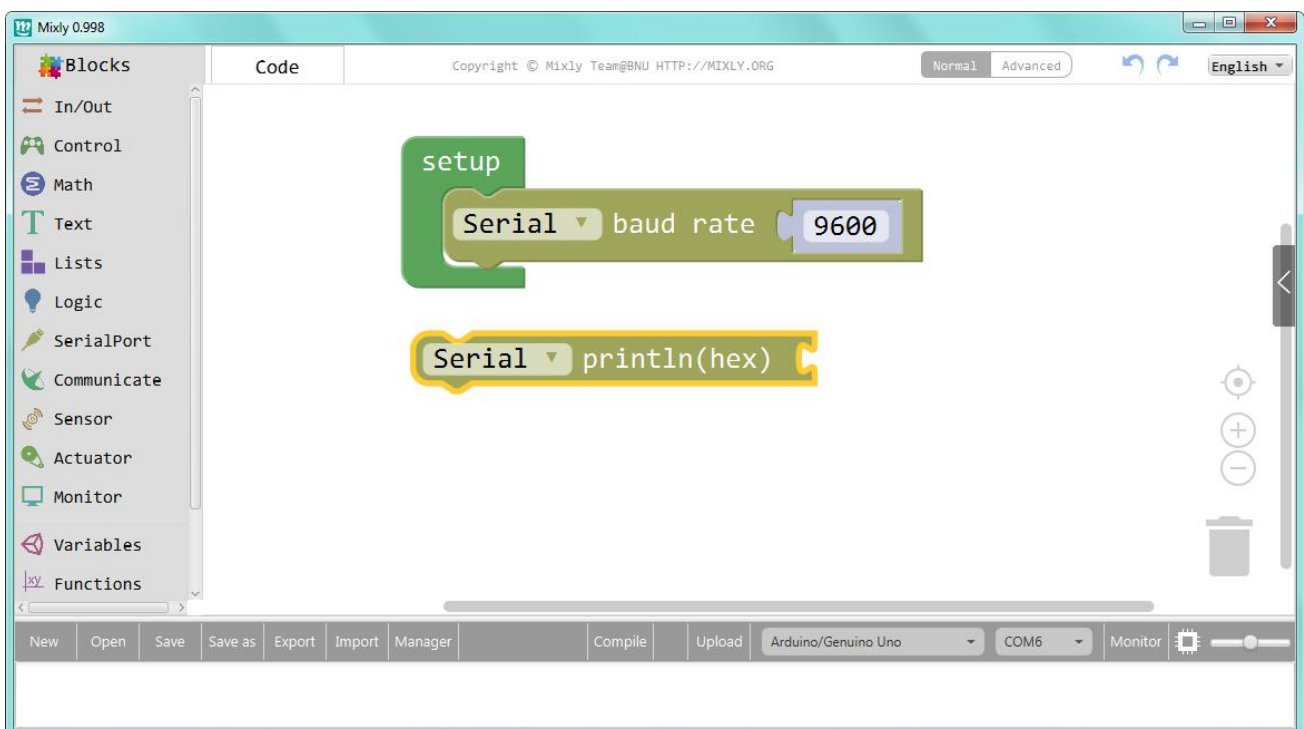
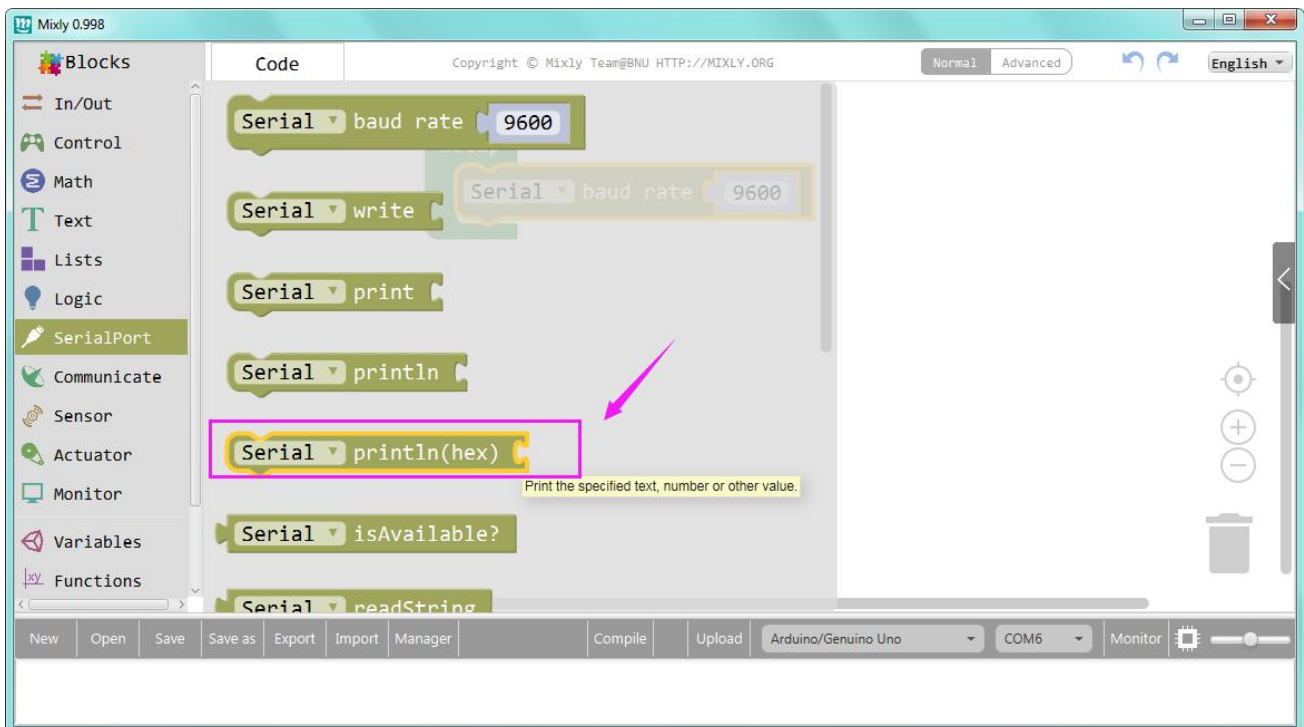
Go to the "Control", drag out the **setup** block.



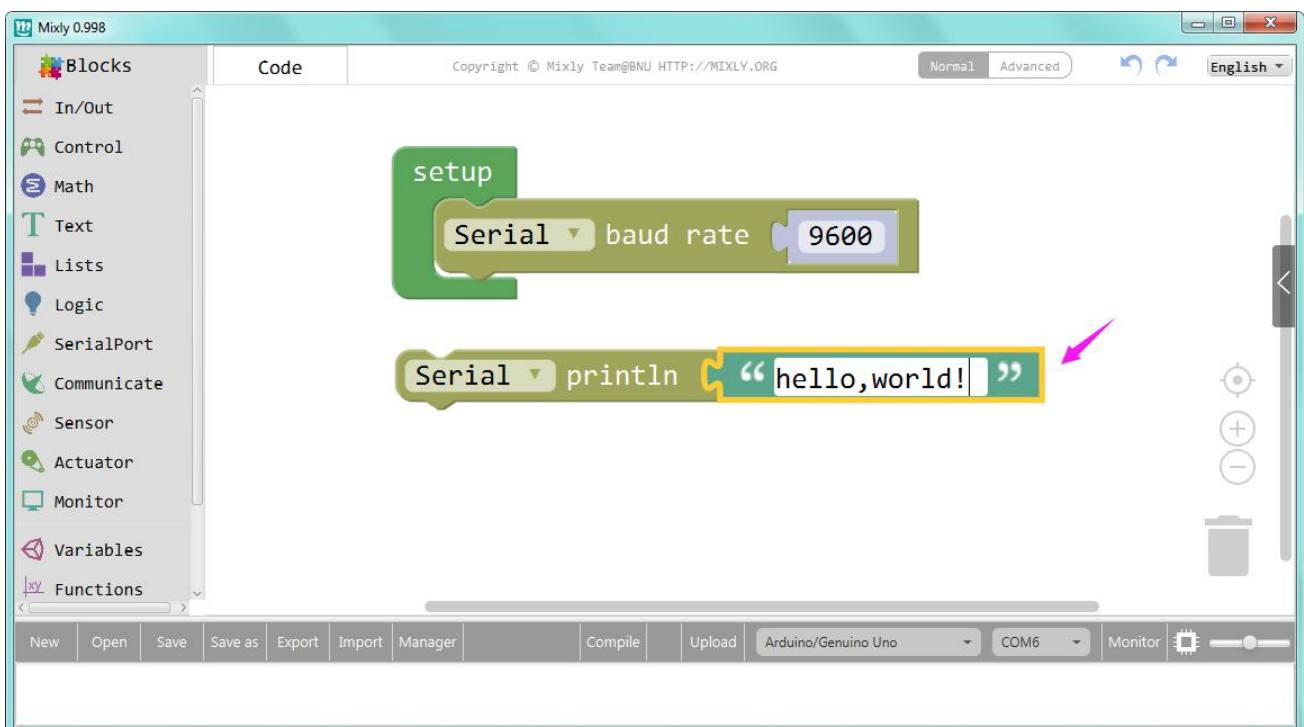
Next, go to "SerialPort", and drag the **Serial baud rate to 9600** into the **setup** block.



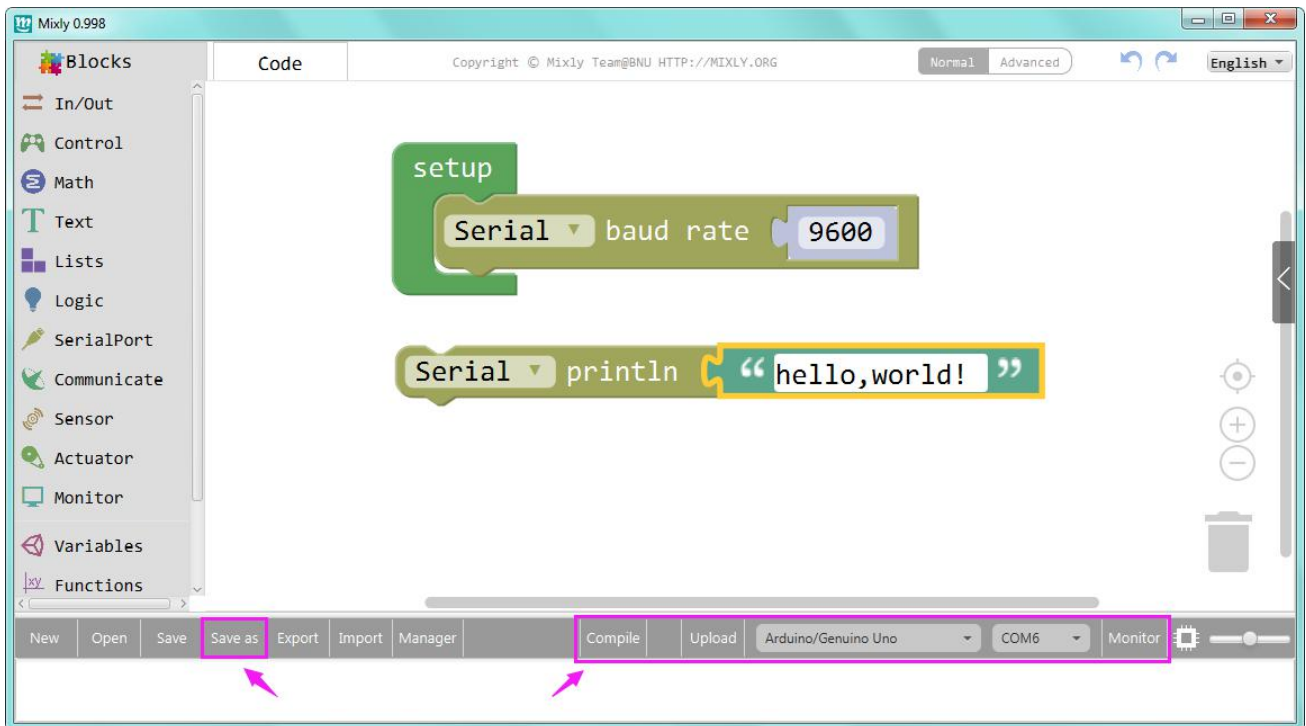
Then go to "SerialPort" again, and drag the **Serial printIn (hex)** to the blank area.



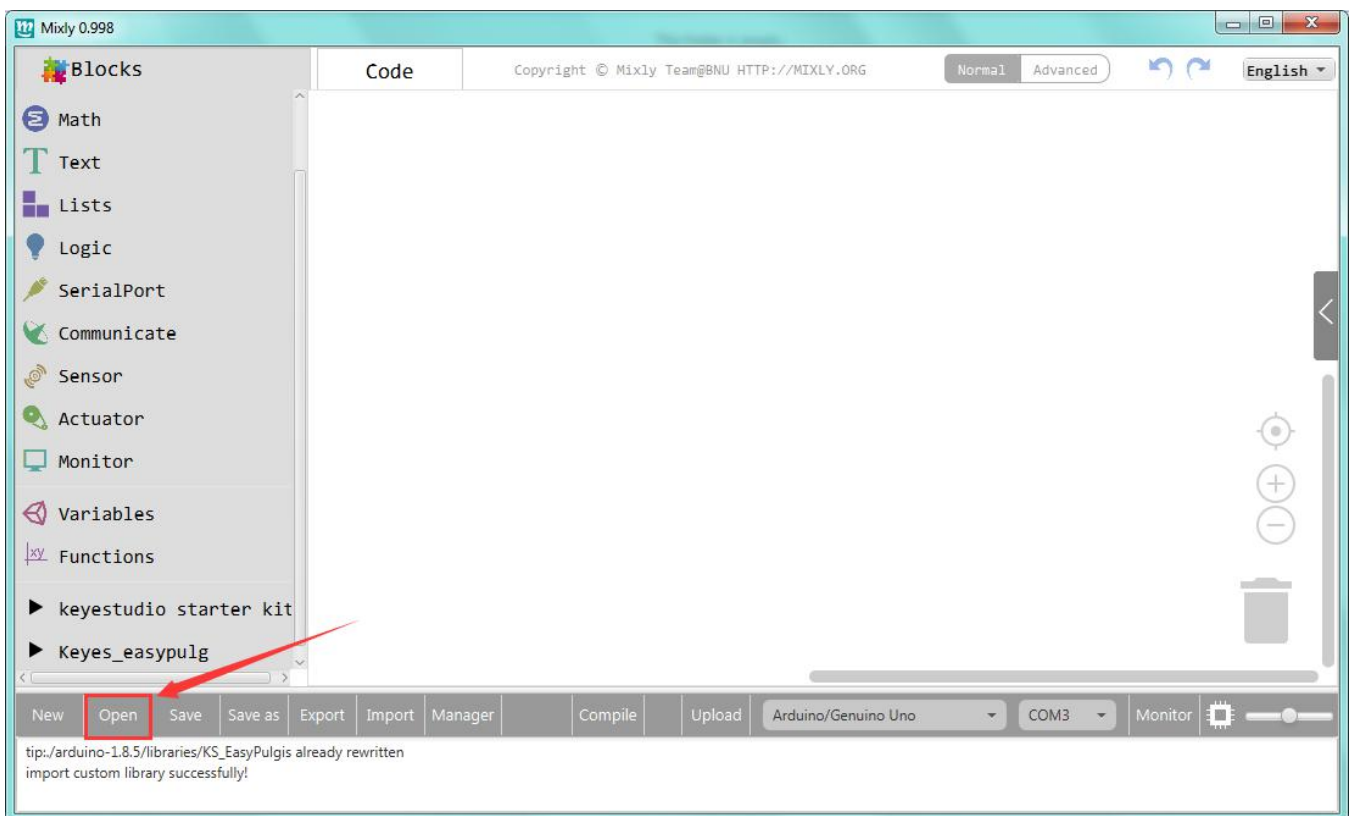
Finally, we add a text that want to print out. Go to "Text" and drag the text block into **Serial printIn (hex)** block. Change the character you want to show.

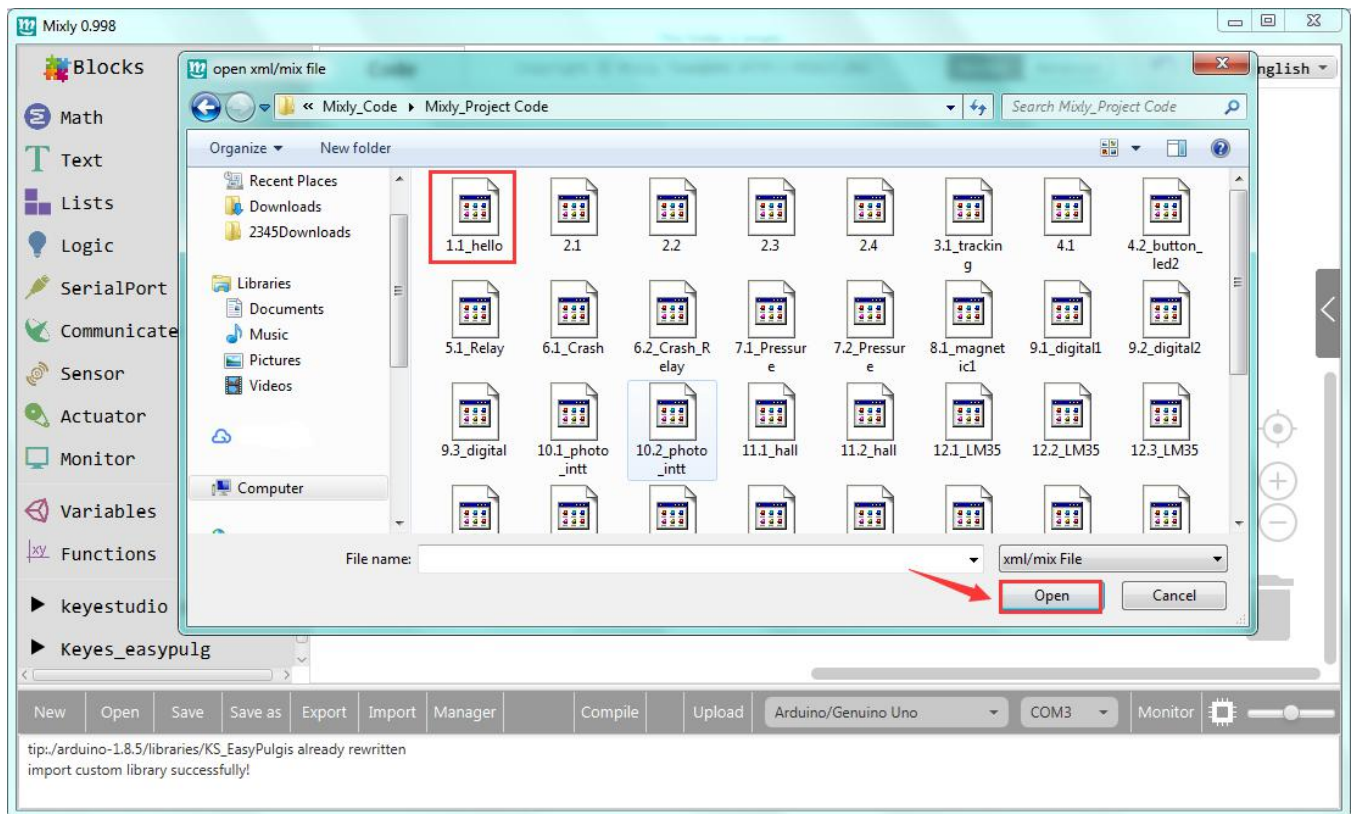


Now, the code is complete. You can save as Mixly file or directly upload to your control board and open the monitor to see the test result.

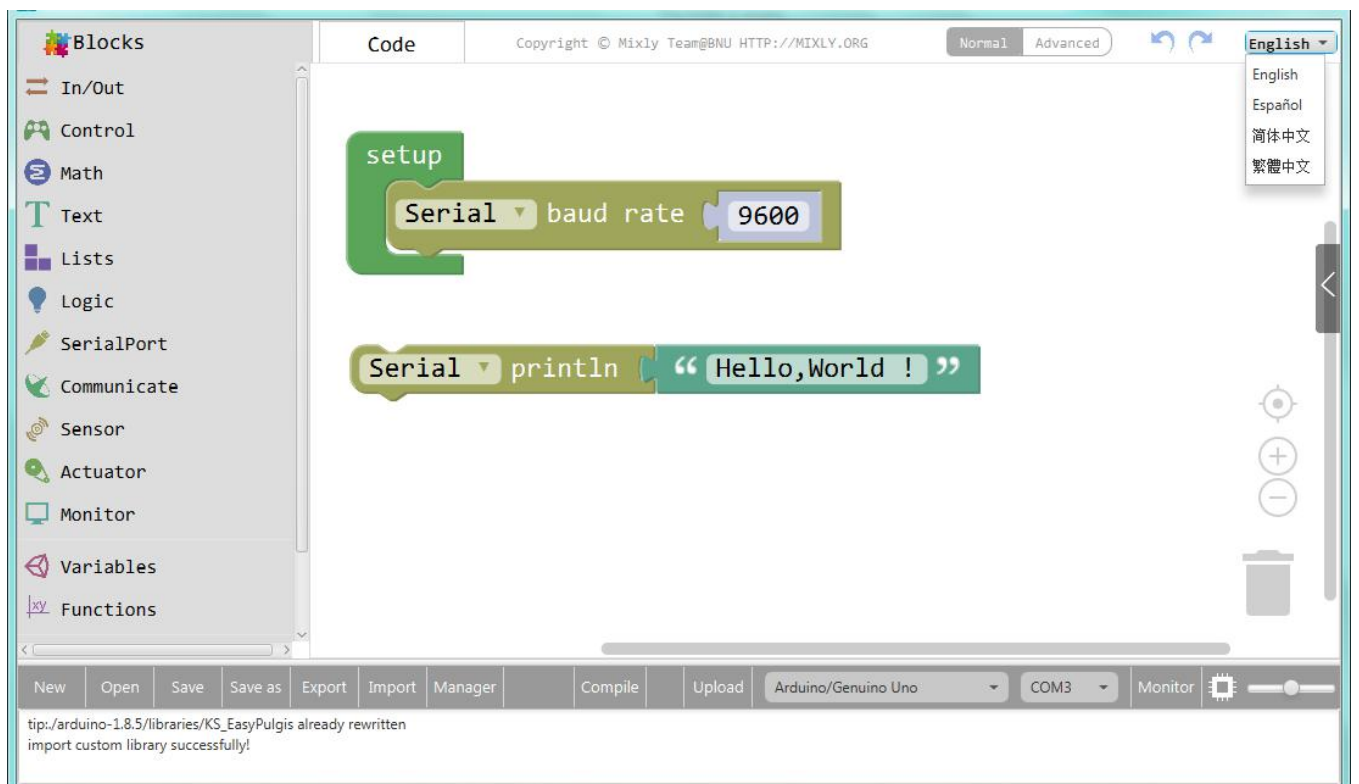
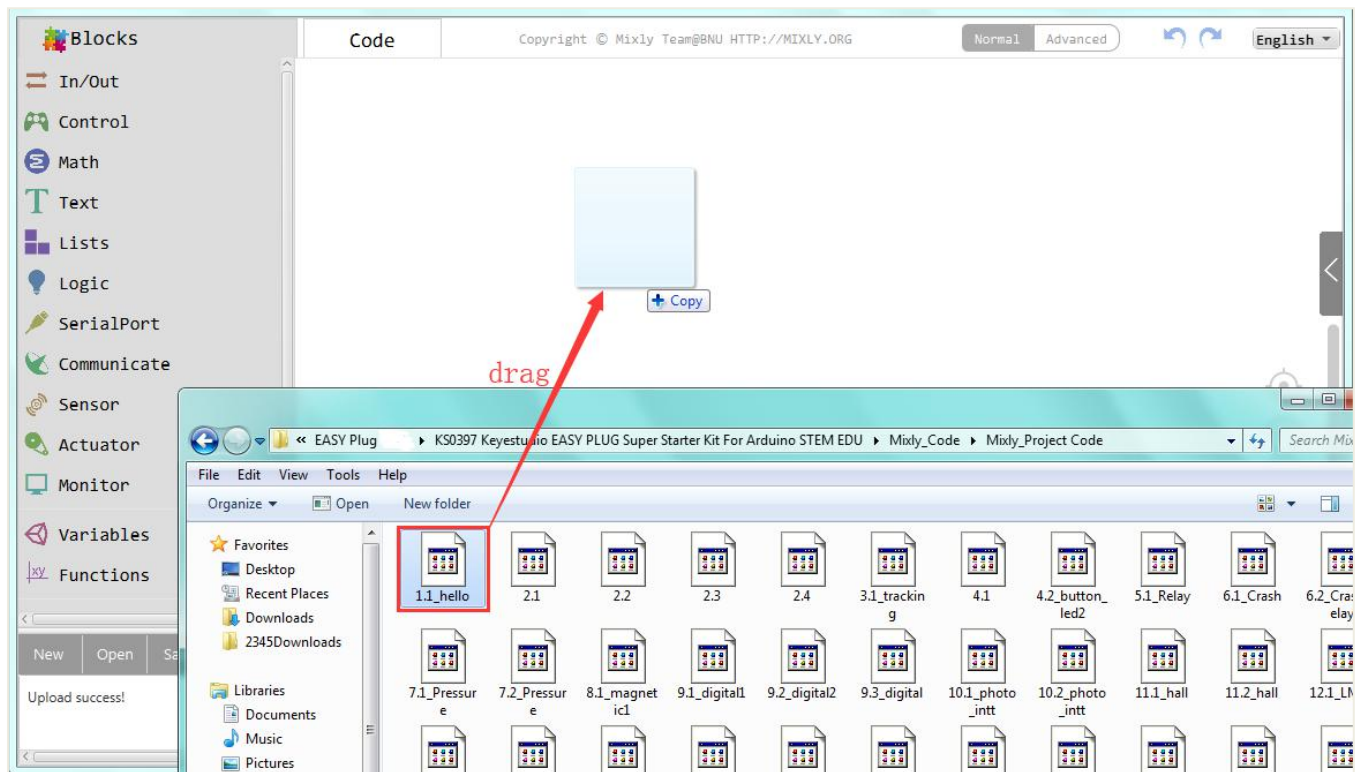


In fact, we have provided you with Mixly file, so you can directly open the file. Click **Open** to open your first program Hello World. Follow the steps below.



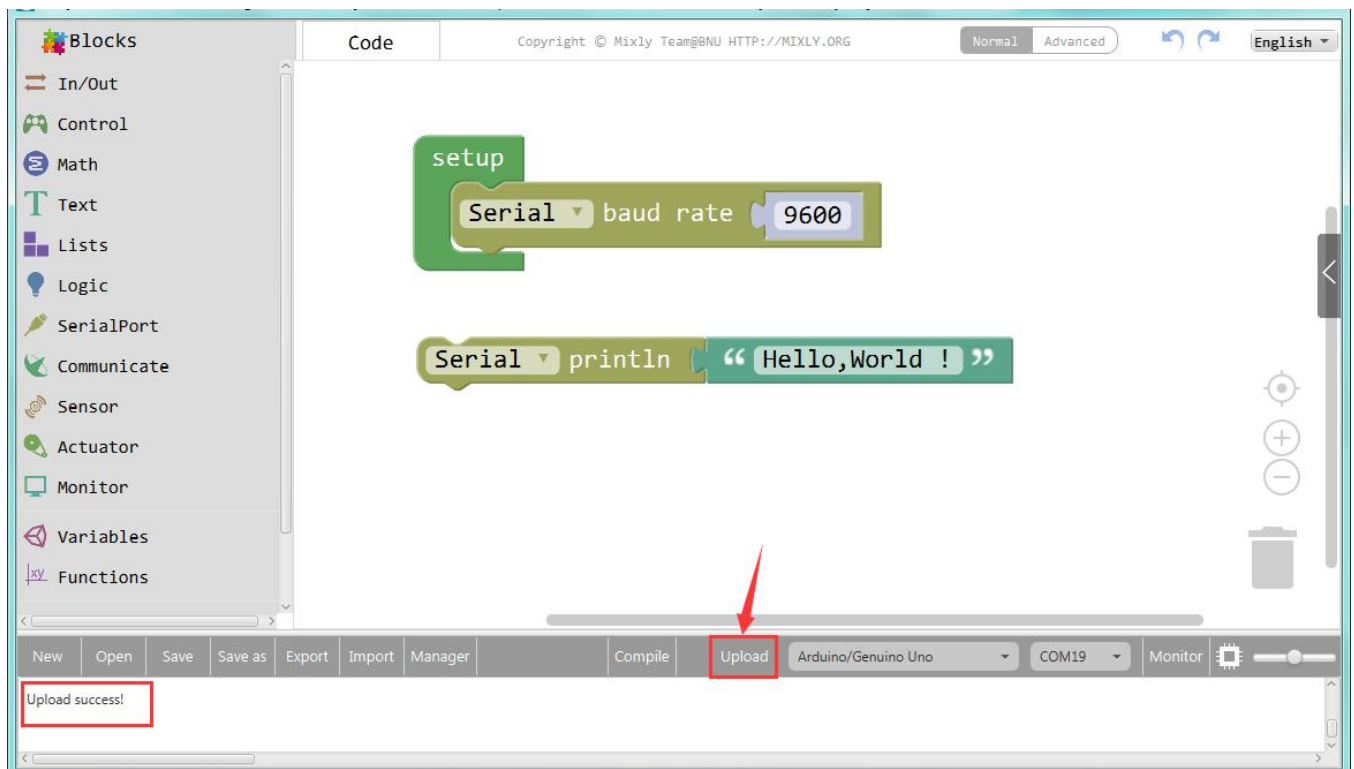
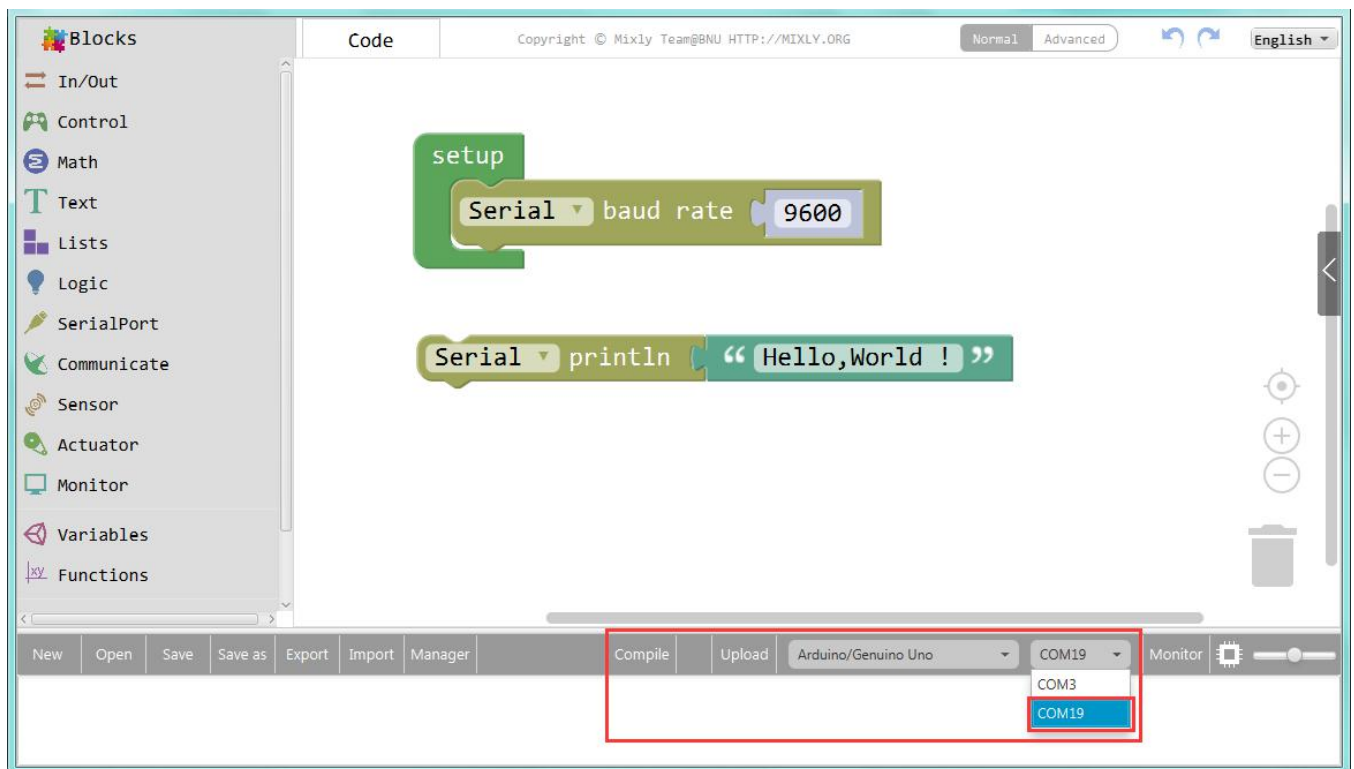


In fact, you can double click or directly drag the program to open Hello World.
Then you should see the Blocks code, shown below.



After that, select the proper Board and Port. Upload the code to your EASY Plug

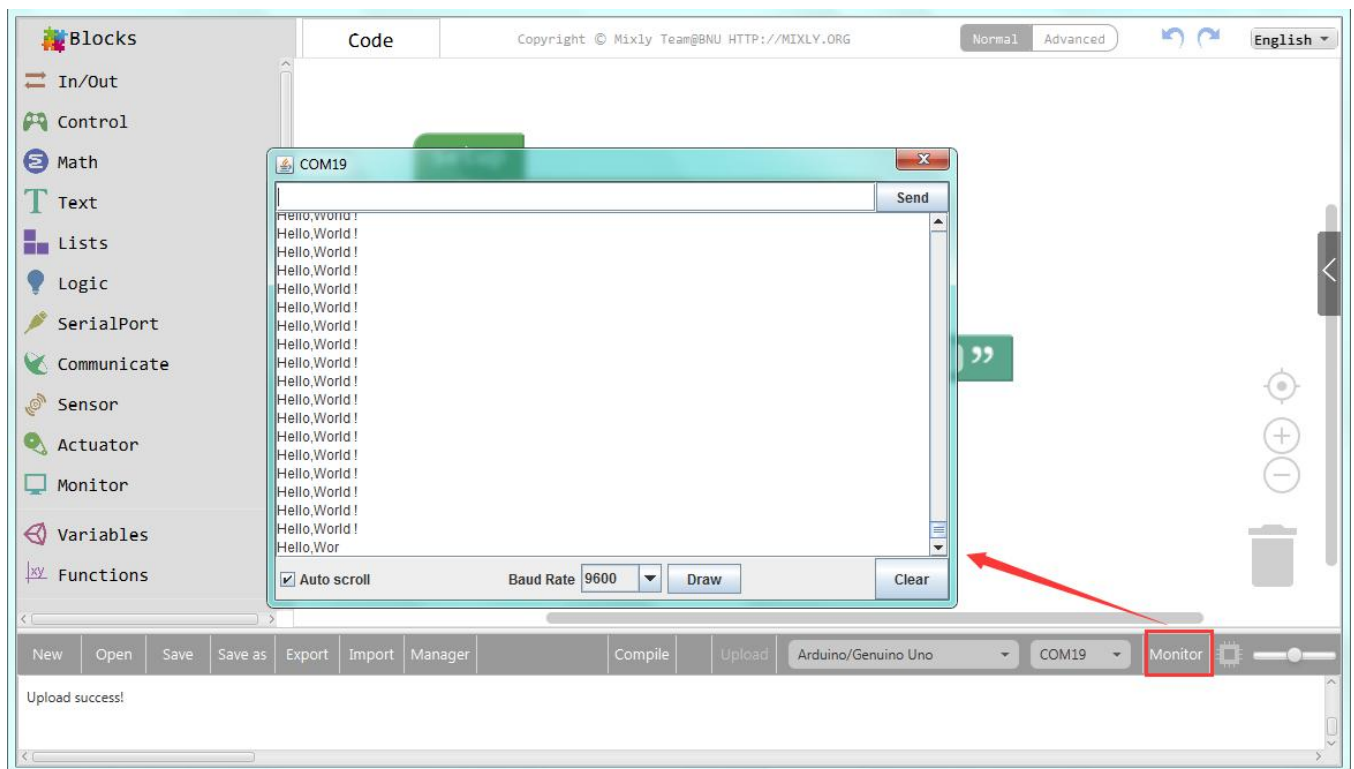
control board.



3) Displaying Hello World

Finally, upload the code successfully, open the monitor and set the baud rate to 9600, you should be able to see the Hello World is showed on the monitor.

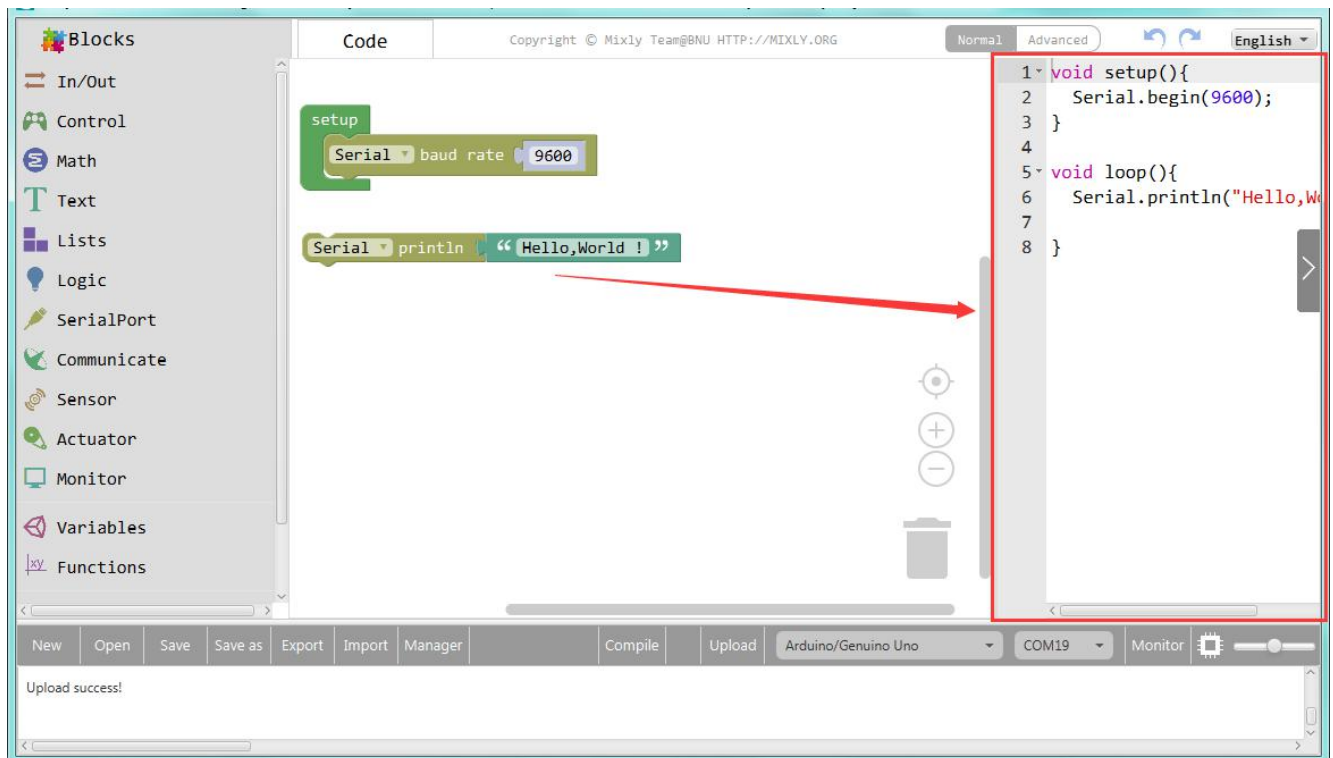
Congrats! You make it !



4) Check Arduino Code

What' more, you can also click to check the Arduino code on the right side.

Amazing! So powerful the Mixly blocks code is!



Is it more easy and simple to play the Mixly projects? Try your first Mixly blocks projects right now!

❖ Download All Resources

https://drive.google.com/open?id=1oXmG0ywhsFf9zRqCB_0kuTaQg_xcXRG2