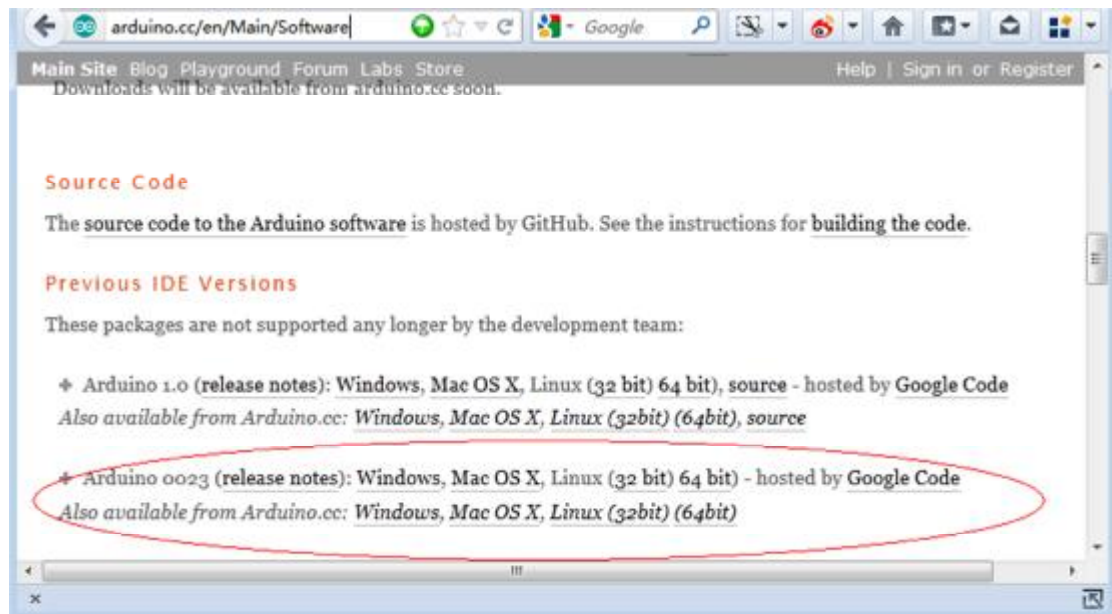# SainSmart Mega 2560(1280)+Sainsmart TFT Mega shield+ Touch Panel
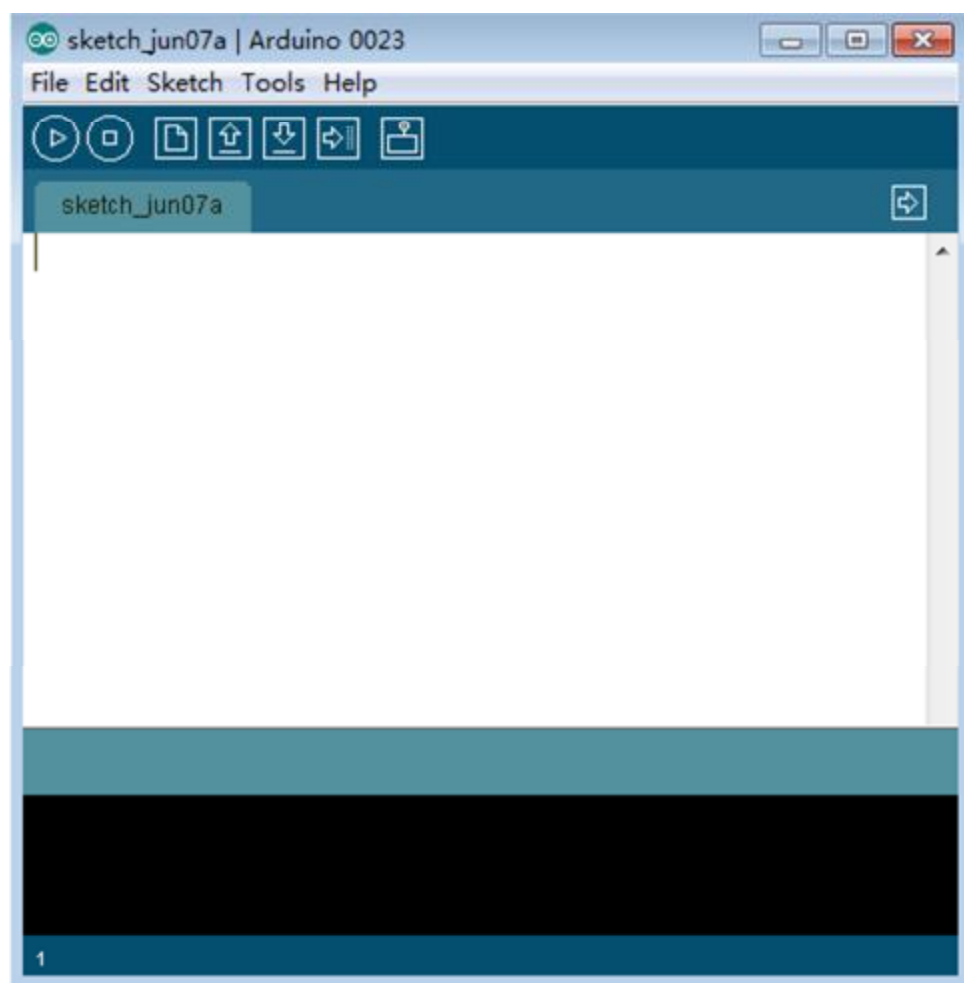
First of all, mount the TFT mega shield on top of the Sainsmart Mega 2560 and connect the headers, and then mount the touch panel on top of the TFT mega shield and connect the headers. It will look like this:

Then connect it to your computer using a USB cable as you normally would. Next, set up your development environment. Go to the Arduino website: www.arduino.cc and click up a software link and download the Arduino software Arduino 023. See the following figure:
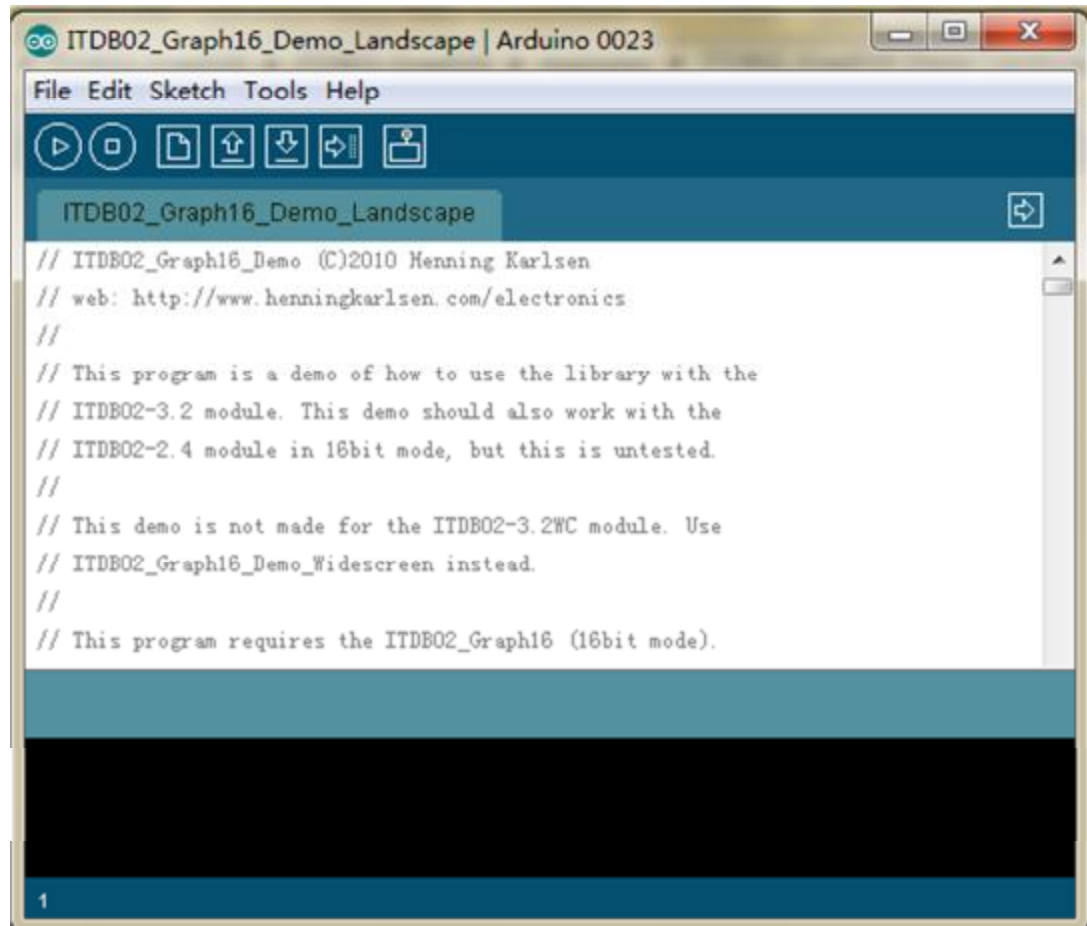
When finish the download, unzip the "arduino0023.zip", open the software and this application will pop up like this:
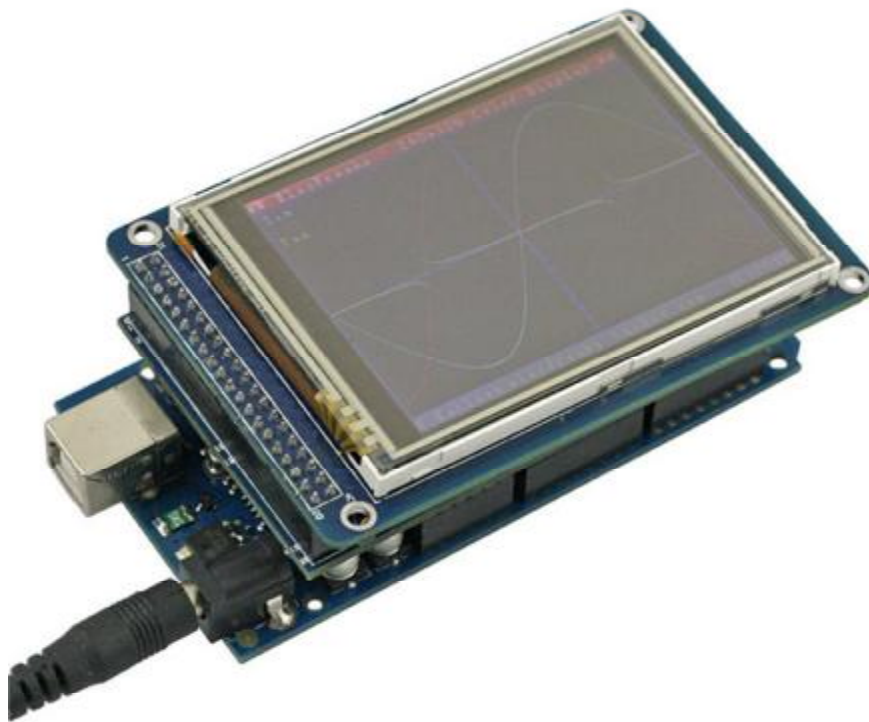
then download the document "ITDB02_Graph16.rar" provided by Sainsmart , unzip it and put it under the "libraries" file. The path will be like this:

arduino-0023 ▸ libraries ▸ ITDB02_Graph16 ▸ ITDB02_Graph16 ▸ examples ▸ ITDB02_Graph16_Demo_Landscape

click "ITDB02_Graph16_Demo_Landscape" and it will show like this:

```
ITDB02_Graph16_Demo_Landscape | Arduino 0023

File Edit Sketch Tools Help

ITDB02_Graph16_Demo_Landscape

// ITDB02_Graph16_Demo (C)2010 Henning Karlsen
// web: http://www.henningkarlsen.com/electronics
//
// This program is a demo of how to use the library with the
// ITDB02-3.2 module. This demo should also work with the
// ITDB02-2.4 module in 16bit mode, but this is untested.
//
// This demo is not made for the ITDB02-3.2WC module. Use
// ITDB02_Graph16_Demo_Widescreen instead.
//
// This program requires the ITDB02_Graph16 (16bit mode).

1
```

next click up the "upload", then it will show like this:

Next click up "TFT3_2_Mega",

arduino-0023 ▸ libraries ▸ ITDB02_Graph16 ▸ ITDB02_Graph16 ▸ examples ▸ TFT3_2_Mega

it will be white screen, and you can write on it anything you like.