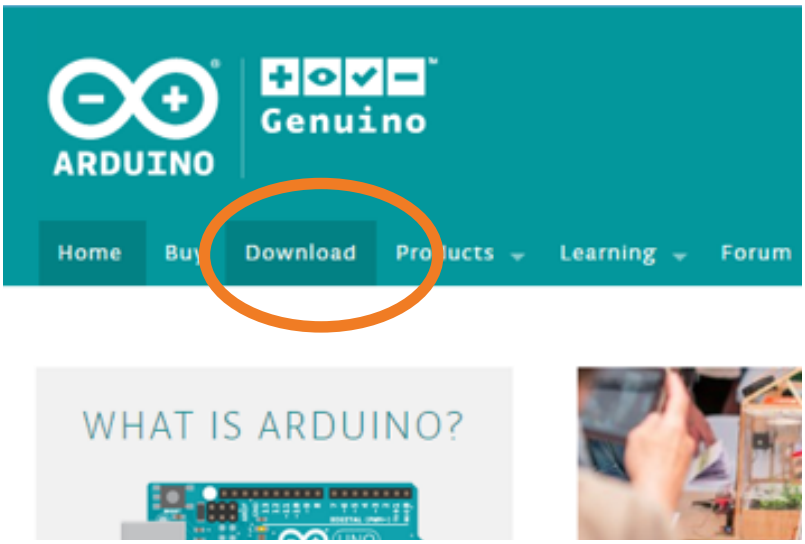
Preliminary Simblee Quickstart Guide

Simblee IDE Installation on Windows

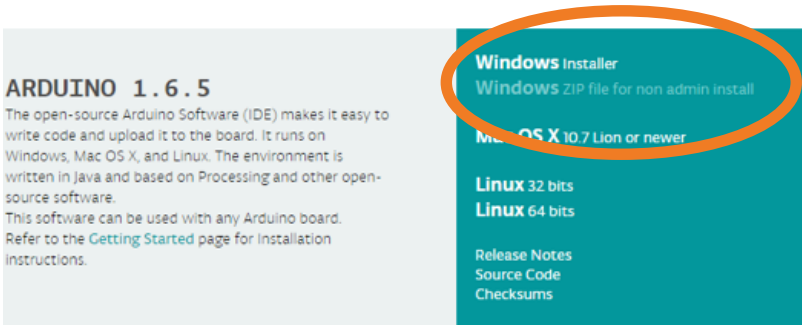
Installing Arduino IDE / Installing Simblee Library / Simblee USB Driver Installation on Windows / Simblee Hardware Setup / Selecting COM Port / Programming an example sketch / Simblee For Mobile Installation and Use

Installing Arduino IDE

1.
Visit Arduino.cc and click the **Download** tab at the top of the page



2.
Select Windows ZIP for non admin installation



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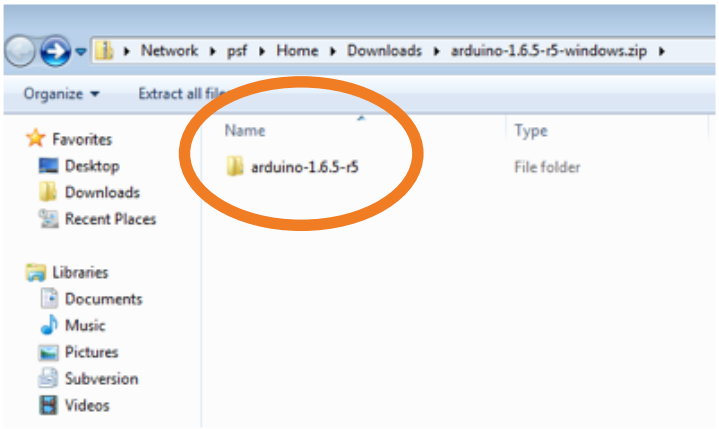
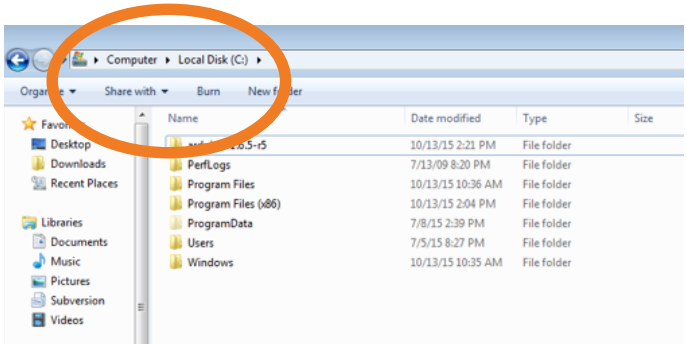
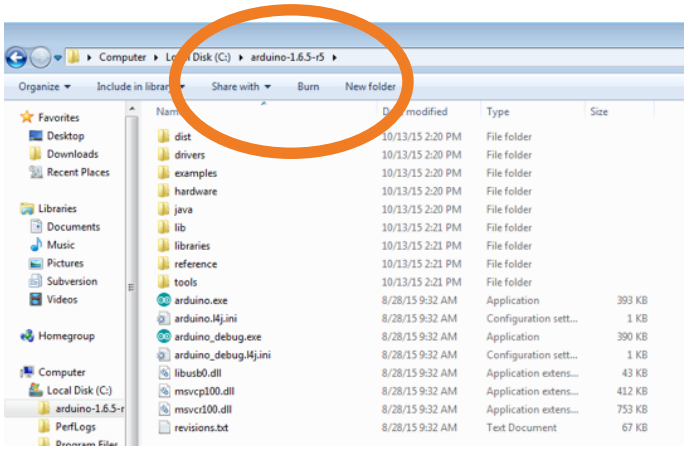
3.
After downloading, you will have a ZIP file called **Arduino-1.6.5-r5-windows.zip**



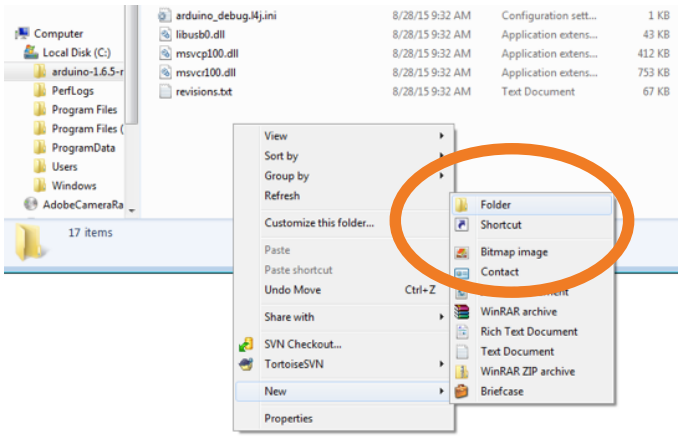
4.
Extract the folder arduino-1.6.5-r5 to your root directory
(C:\\ for example)



5.
Open the folder arduino-1.6.5-r5



6.
Right click inside the folder window and go to New > Folder



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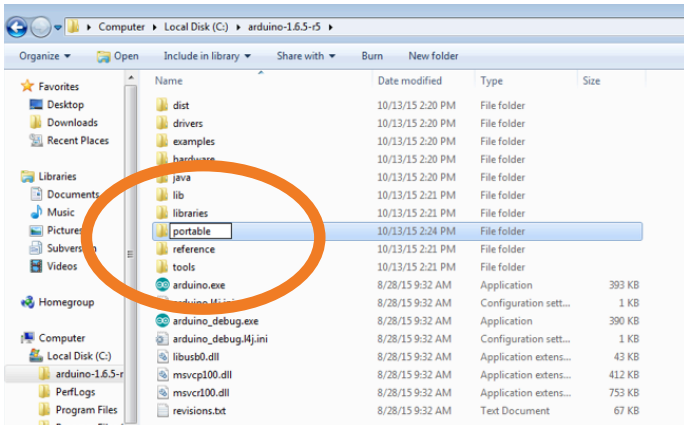
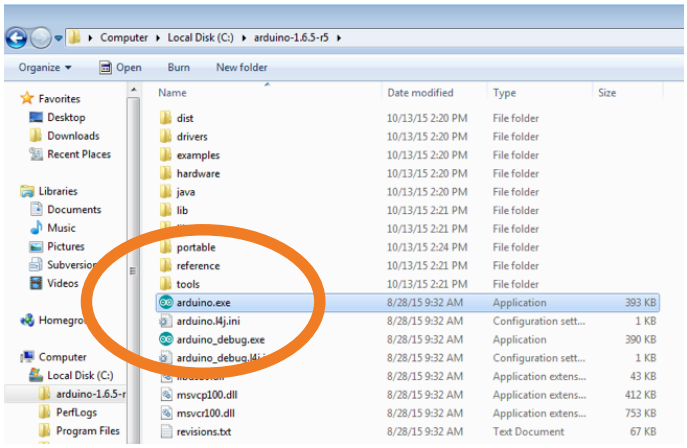
7.
Name the new folder “**portable**”

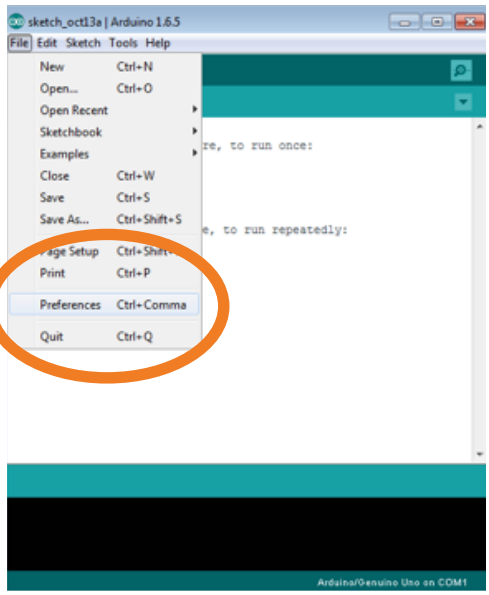


8.
Launch **Arduino.exe**



Installing Simblee Library

9.
With the ArduinoIDE open, click on
File > Preferences



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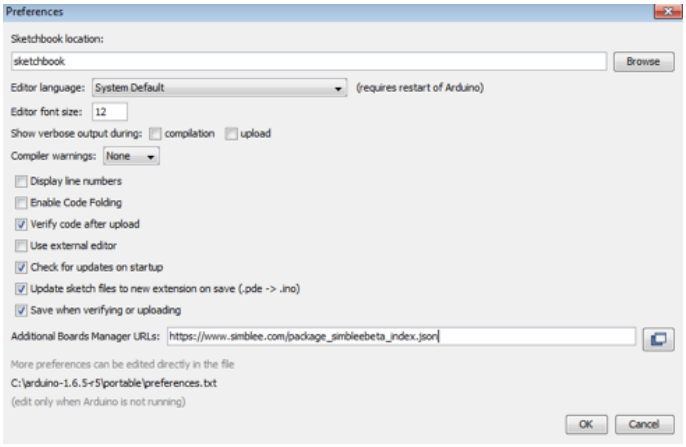
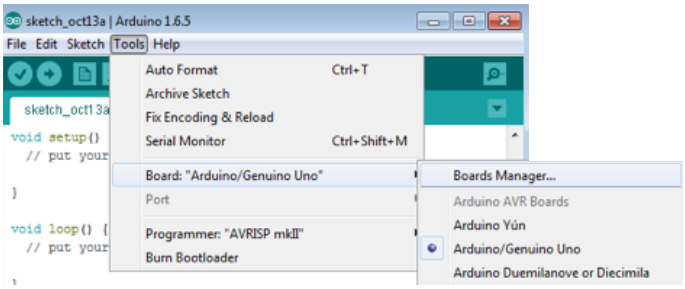
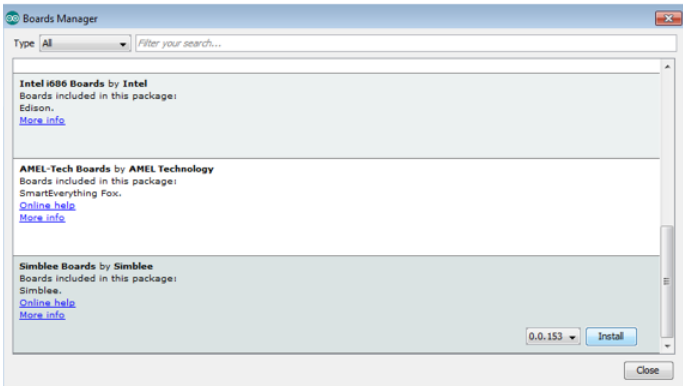
10.
Copy and Paste the following link into **Additional Boards Manager URLs**: "https://www.simblee.com/package_simbleebeta_index.json" then press "OK"



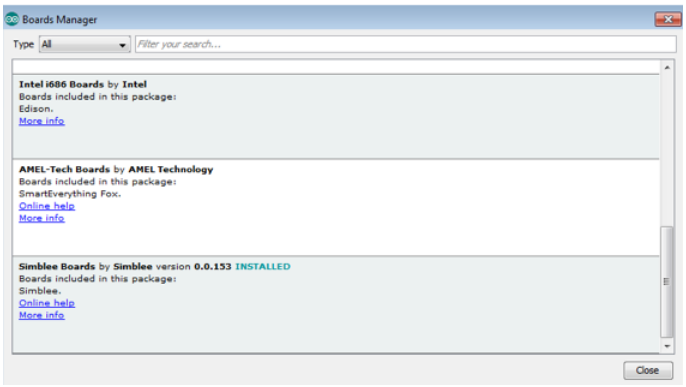
11.
Go to **Tools > Board: > Boards Manager**...



12.
Scroll down to **Simblee Boards by Simblee**, and click on **Install**



13.
Confirm it is installed, as it should say **"INSTALLED"** next to the board name



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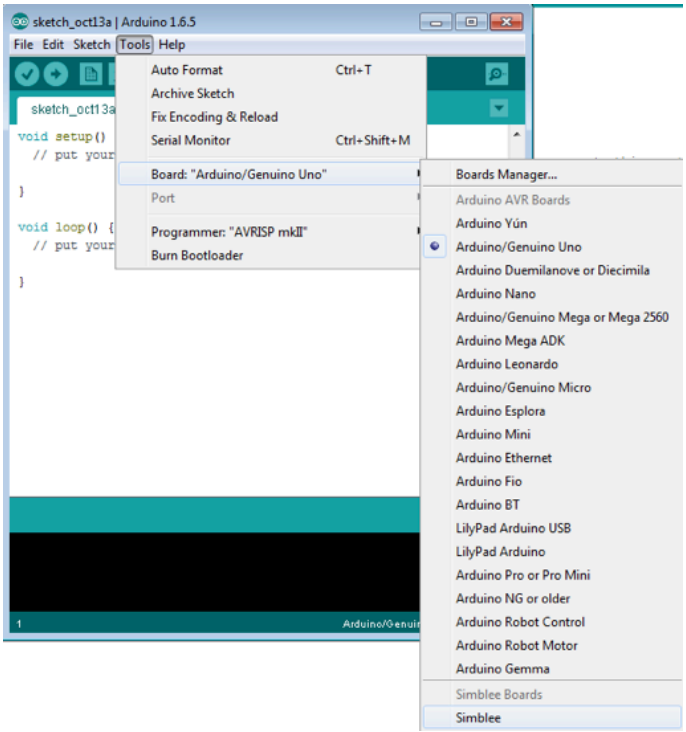
14.
Go to
Tools > Board: > Click on Simblee



15.
Bottom right of window should now say
Simblee on **COM1**

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Simblee USB Driver Installation on Windows

16.
Visit the following link:
http://www.ftdichip.com/Drivers/VCP.htm

Currently Supportted VCP Drivers

		Processor Architecture							
Operrating system	Release Date	x86 (32-bit)	x64 (64-bit)	PPC	ARM	MIPSII	MIPSIV	SH4	Comments
Windows	2015-07-28	2.12.06	2.12.06	-	-	-	-	-	2.12.06 WHQL Certified Available as setup executable Release Notes
Linux	2009-05-14	1.5.0	1.5.0	-	-	-	-	-	All FTDI devices now supported in Ubuntu 11.10, kernel 3.0.0-19 Refer to TN-101 if you need a custom VCP VID/PID in Linux
Mac OS X 10.3 to 10.8	2012-08-10	2.2.18	2.2.18	2.2.18	-	-	-	-	Refer to TN-105 if you need a custom VCP VID/PID in MAC OS
Mac OS X 10.9 and above	2015-04-15	-	2.3	-	-	-	-	-	This driver is signed by Apple
Windows CE 4.2-5.2**	2015-04-15	1.1.0.20	-	-	1.1.0.20	1.1.0.20	1.1.0.20	1.1.0.20	-
Windows CE 6.0/7.0	2012-01-06	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	-	-	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	1.1.0.20 CE 6.0 CAT CE 7.0 CAT	For use of the CAT files supplied for ARM and x86 builds refer to AN_319
Windows CE 2013	2015-03-06	BETA	-	-	BETA	-	-	-	BETA VCP Driver Support for WinCE2013

17.
Download and install the latest drivers for your system

Simblee Hardware Setup

18.
Using the RFD77201 (or RFD77203) and RFD22121, stack the RFD77201 adapter on top of the RFD22121 by aligning the pins into the corresponding socket

19.
Plug in stacked assembly into available USB port

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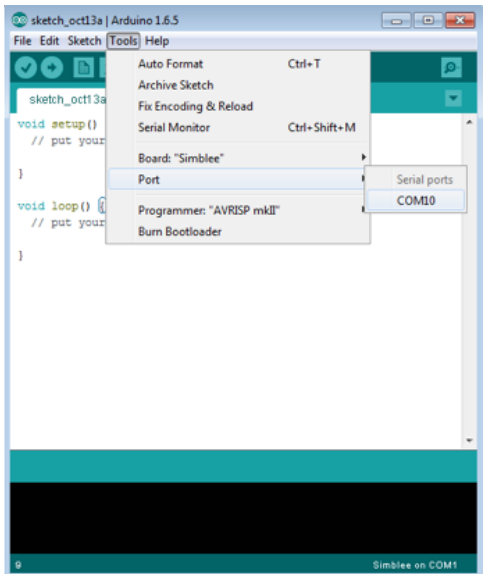
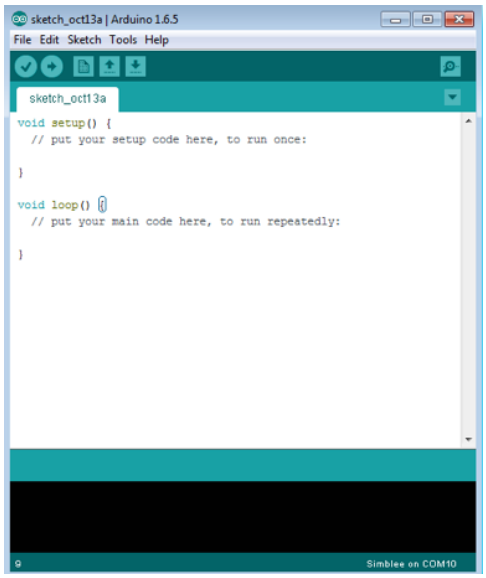
Selecting COM Port

20.
With ArduinoIDE open, go to **Tools > Port** and select **COMXX** (XX is the number of the COM port your Simblee is connected to)



21.
After selecting the COM port, at the bottom right of the Arduino IDE, it should not say "**Simblee on COMXX**"



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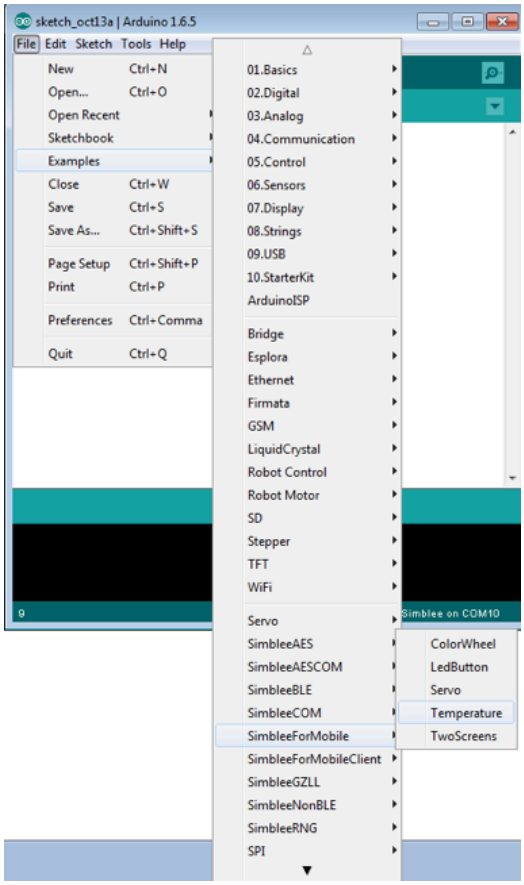
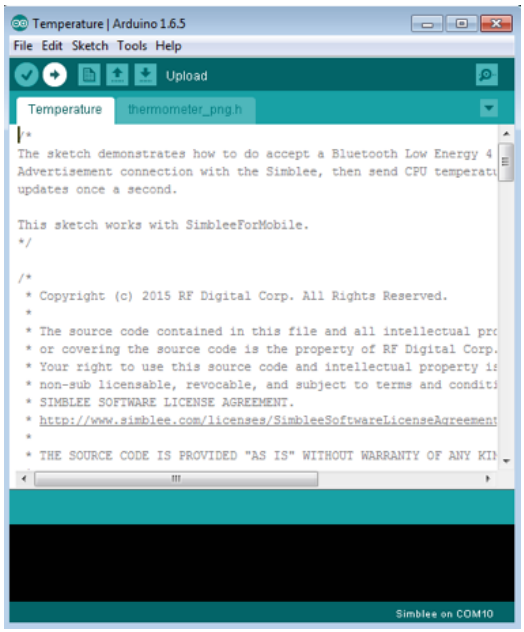
Programming an example sketch

22.
Go to File > Examples > SimbleeForMobile > Select Temperature



23.
A new window will pop up called Temperature. Click on Upload (insert Right Arrow Image here)



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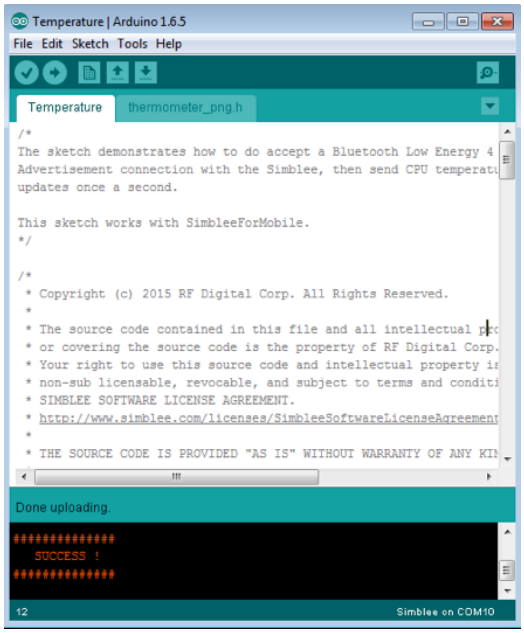
24.
After uploading, the program will say "SUCCESS" on the bottom window



Simblee For Mobile Installation and Use

Installing Simblee For Mobile

1. On your iOS device, open the AppStore
2. Search for "**Simblee For Mobile"**
3. Click on **INSTALL**
4. Simblee For Mobile should now be on your home screen

Using Simblee For Mobile

1. Enable Bluetooth on your iOS device
2. Open Simblee For Mobile
3. A list of "Found Simblees" will appear. If you uploaded the Temperature sketch in the previous steps, you can select it from the list and it will generate an interface based on the Temperature sketch.
4. The temperature sketch displays a dynamic graphic along with the temperature reading of the Simblee internal sensor

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