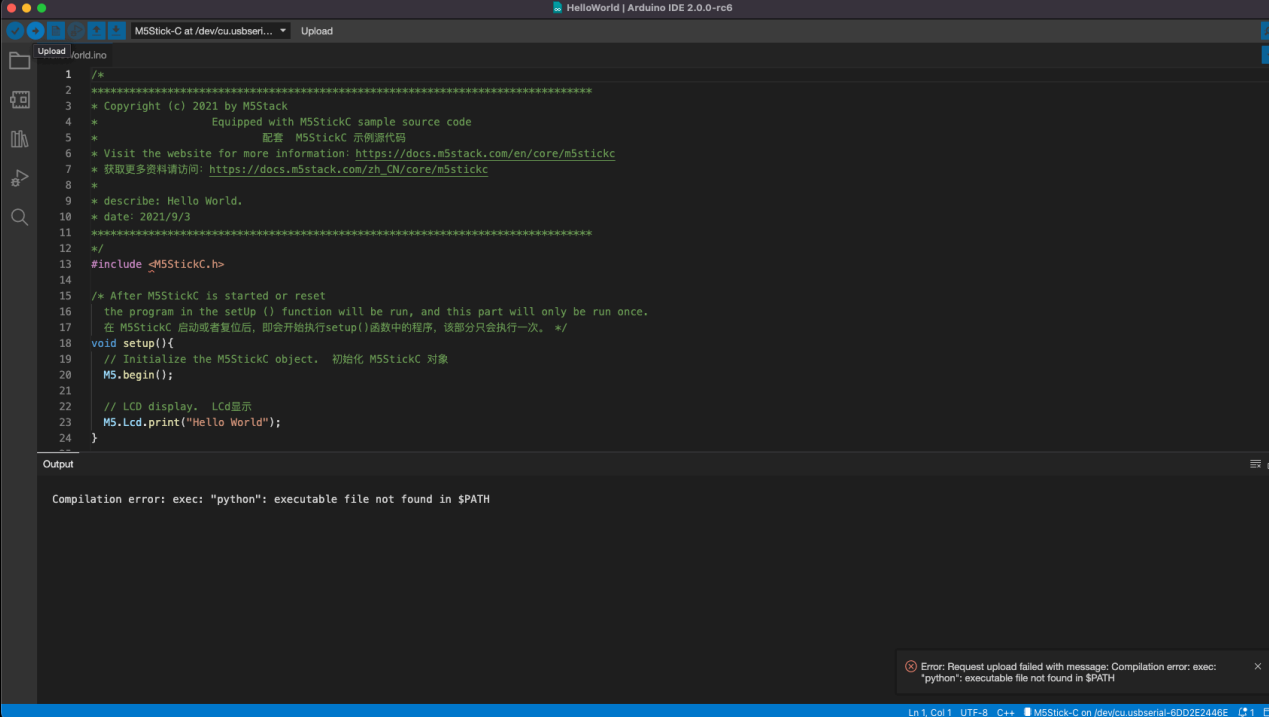


This shows the M5Stick is identified as a M5Stack device and should be able to be interfaced with.



```
1  /*
2  ****
3  * Copyright (c) 2021 by M5Stack
4  * Equipped with M5StickC sample source code
5  * 配套 M5StickC 示例源代码
6  * Visit the website for more information: https://docs.m5stack.com/en/core/m5stickc
7  * 获取更多资料请访问: https://docs.m5stack.com/zh\_CN/core/m5stickc
8  *
9  * describe: Hello World.
10 * date: 2021/9/3
11 ****
12 */
13 #include <M5StickC.h>
14
15 /* After M5StickC is started or reset
16 the program in the setup () function will be run, and this part will only be run once.
17 在 M5StickC 启动或者复位后, 即会开始执行setup()函数中的程序, 该部分只会执行一次。 */
18 void setup(){
19 // Initialize the M5StickC object. 初始化 M5StickC 对象
20 M5.begin();
21
22 // LCD display. LCD显示
23 M5.Lcd.print("Hello World");
24 }
```

Compilation error: exec: "python": executable file not found in \$PATH

Error: Request upload failed with message: Compilation error: exec: "python": executable file not found in \$PATH

Ln 1, Col 1 UTF-8 C++ M5Stick-C on /dev/cu.usbserial-6DD2E2446E

Arduino IDE when trying to upload a sample Hello World program to the M5Stick. After some internet scouring I found some articles on this issue that stated it was an issue with Arduino IDE not picking up python@3 as it looks for python@2 and the solution is to create a link between the two using some terminal commands. After trying this with seemingly no issues in the terminal there is no change to the Arduino IDE output, even after program/system-wide reboots.

```
The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
Douglass-MacBook-Pro:~ douglashill$ esptool.py -p /dev/cu.usbserial-6DD2E2446E chip_id
esptool.py v3.3
Serial port /dev/cu.usbserial-6DD2E2446E
Connecting.....
Detecting chip type... Unsupported detection protocol, switching and trying again...
Connecting.....
Detecting chip type... ESP32
Chip is ESP32-PICO-D4 (revision 1)
Features: WiFi, BT, Dual Core, 240MHz, Embedded Flash, VRef calibration in efuse, Coding Scheme None
Crystal is 40MHz
MAC: 4c:75:25:ad:72:dc
Uploading stub...
Running stub...
Stub running...
Warning: ESP32 has no Chip ID. Reading MAC instead.
MAC: 4c:75:25:ad:72:dc
Hard resetting via RTS pin...
Douglass-MacBook-Pro:~ douglashill$
```

Esptool.py can detect the M5Stick and give information about it.

```
Warning: ESP32 has no Chip ID. Reading MAC instead.
MAC: 4c:75:25:ad:72:dc
Hard resetting via RTS pin...
Douglass-MacBook-Pro:~ douglashill$ esptool.py -p /dev/cu.usbserial-6DD2E2446E erase_flash
esptool.py v3.3
Serial port /dev/cu.usbserial-6DD2E2446E
Connecting.....

A fatal error occurred: Failed to connect to Espressif device: No serial data received.
For troubleshooting steps visit: https://docs.espressif.com/projects/esptool/en/latest/troubleshooting.html
Douglass-MacBook-Pro:~ douglashill$
```

Esptool.py showing that it cannot connect to the M5Stick in order to flash it. The same occurs when trying to write to it. After research online with people saying the usual ‘hold down the boot button’ this made no difference to the results whatsoever. Other people reported it being a pyserial issue with it not being installed/outdated packages/ conflicting dependencies (next figure).

```
[Douglass-MacBook-Pro:~ douglashill$ pip3 list pyserial
Package      Version
-----
adafruit-ampy 1.1.0
bitstring    3.1.9
cffi         1.15.0
click        8.1.3
cryptography 37.0.1
ecdsa        0.17.0
esptool       3.3
pip          22.0.4
pycparser    2.21
pyserial     3.5
python-dotenv 0.20.0
reedsolo     1.5.4
setuptools   62.1.0
six          1.16.0
wheel        0.37.1
[Douglass-MacBook-Pro:~ douglashill$ pip3 list --outdated
[Douglass-MacBook-Pro:~ douglashill$ esptool.py -p /dev/cu.usbserial-6DD2E2446E erase_flash
esptool.py v3.3
Serial port /dev/cu.usbserial-6DD2E2446E
Connecting.....

A fatal error occurred: Failed to connect to Espressif device: No serial data received.
For troubleshooting steps visit: https://docs.espressif.com/projects/esptool/en/latest/troubleshooting.html
Douglass-MacBook-Pro:~ douglashill$
```

I don't believe this is the issue, as only adafruit-ampy is dependent on pyserial. I did notice that I have ampy and pyserial installed on brew and esptool installed on pip, but this isn't an issue as esptool isn't dependent on pyserial and after installing esptool using pip and re-attempting the process there was no change in the issue. I even downloaded the latest version of Python@2 and repeated the process, although I won't document that here as the results were exactly the same. All of this leads me to believe the boot button on the board is faulty.