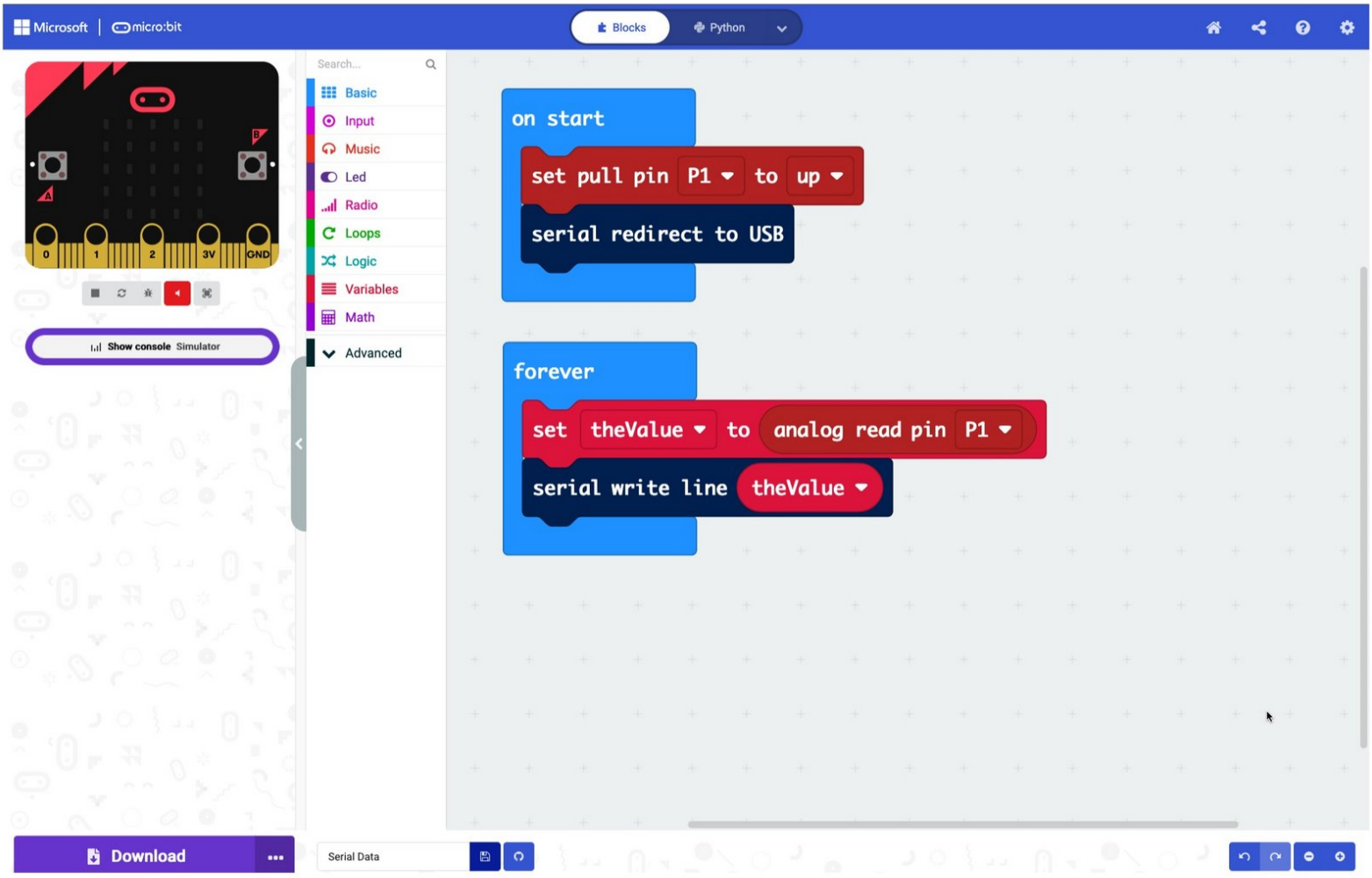
Viewing micro:bit Serial Data

Use the Arduino IDE to view serial data sent from the micro:bit to your computer.

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INTRODUCTION

Use the Arduino IDE to view serial data sent from the micro:bit to your computer.

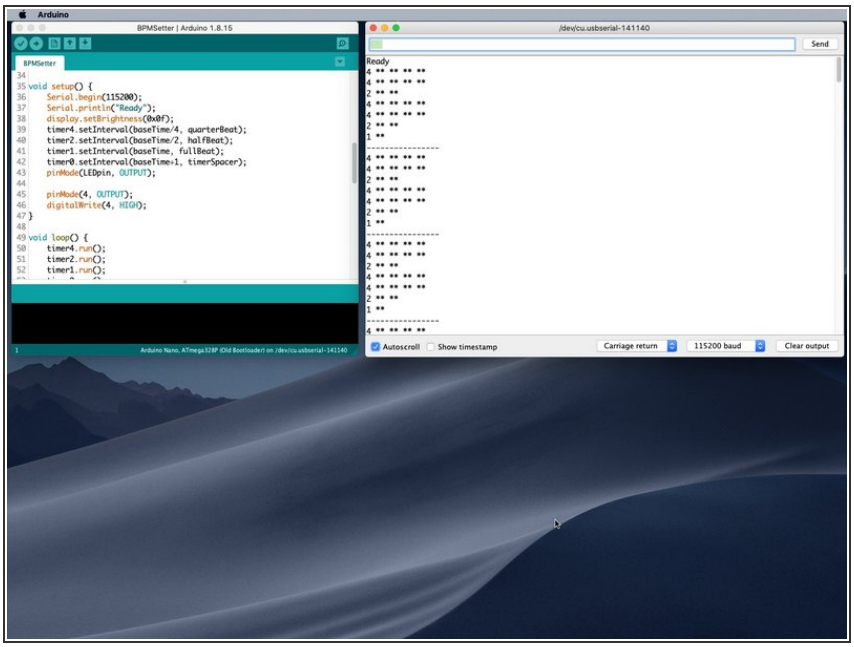
TOOLS:

- Computer (1)

PARTS:

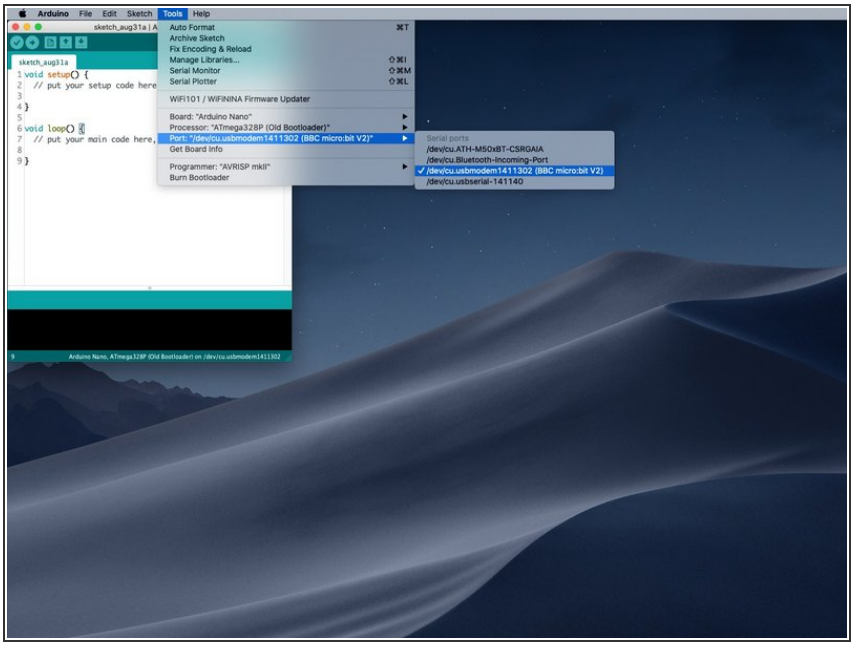
- micro:bit (1)

Step 1 — Serial Monitor



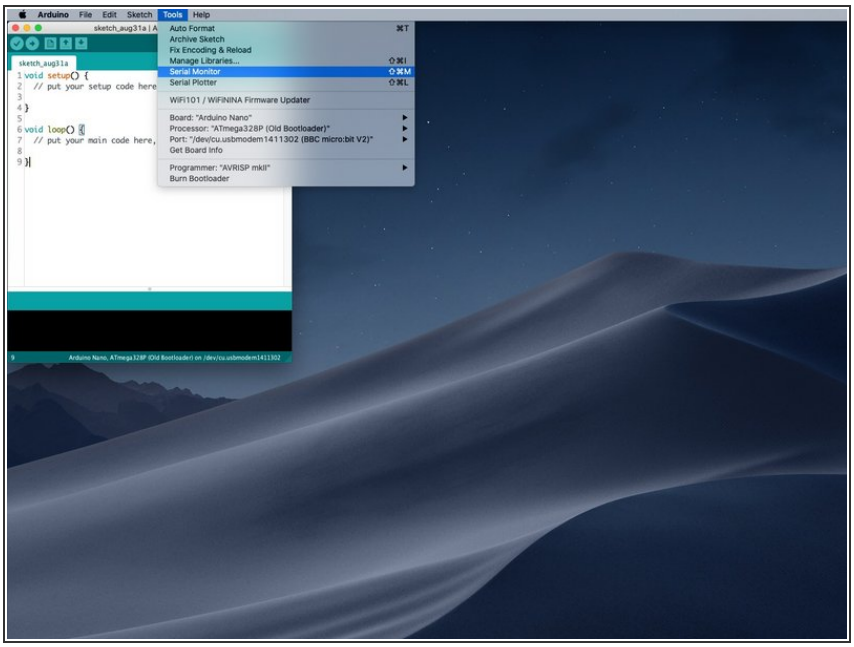
- For our Arduino projects it's sometimes nice to see data in the Serial Monitor of the Arduino IDE.
- While we love Microsoft MakeCode for micro:bit programming sometimes we miss the Arduino Serial Monitor.
- The good news is... you can still use it!

Step 2 — Launch the Arduino IDE



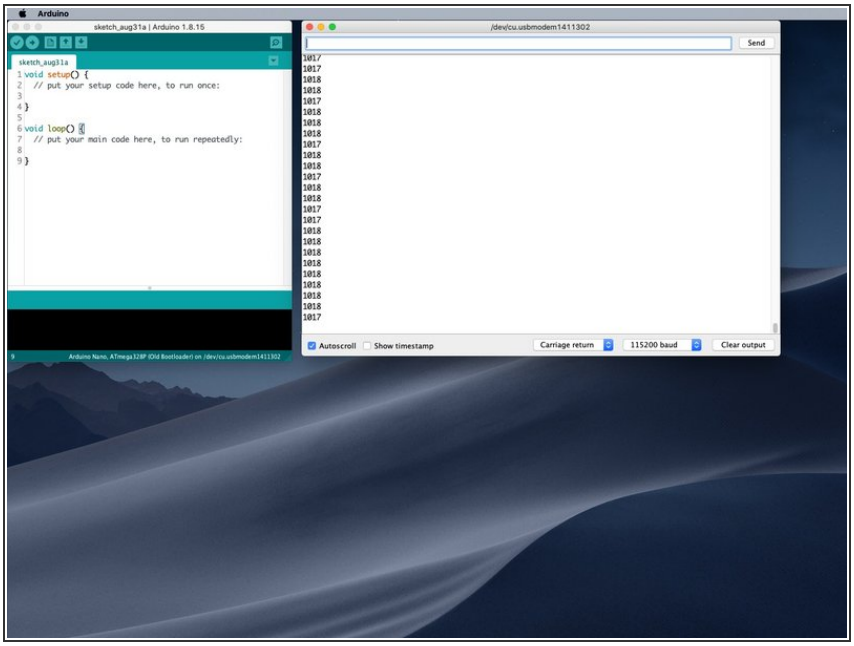
- To use the Arduino Serial Monitor with a micro:bit you'll need to have the micro:bit connected to your computer with a USB cable.
- You'll then need to launch the Arduino software, and under the **Tools** menu you'll see the **Port** sub menu.
- Select your micro:bit from the sub menu.

Step 3 — Open the Serial Monitor



- Under the Tools menu select Serial Monitor.

Step 4 — View the Serial Data

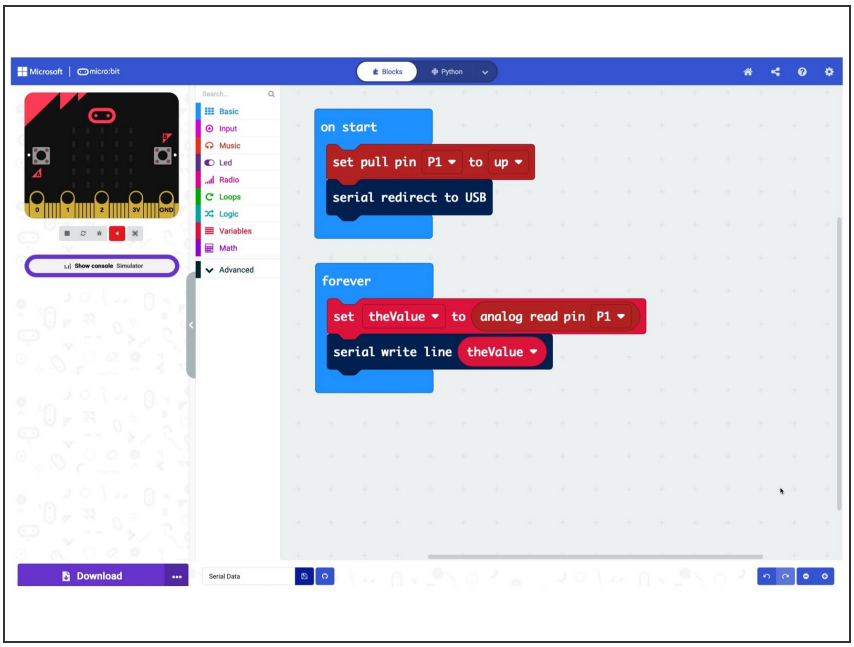


- Set the baud rate to **115200 baud** in the bottom right corner of the Serial Monitor window.
- You should see your data coming in from the micro:bit

Note that you should not try to upload a sketch to the micro:bit while using the Arduino software. (Yes, it is possible, but we won't dive into that topic here.)

Remember, the code running on the micro:bit is not the same code you see in the sketch window in the Arduino software!

Step 5 — MakeCode



- Here's a short example of how we set up MakeCode to send serial data to the computer.
- Remember to have the USB cable plugged in to both the computer and the micro:bit!