

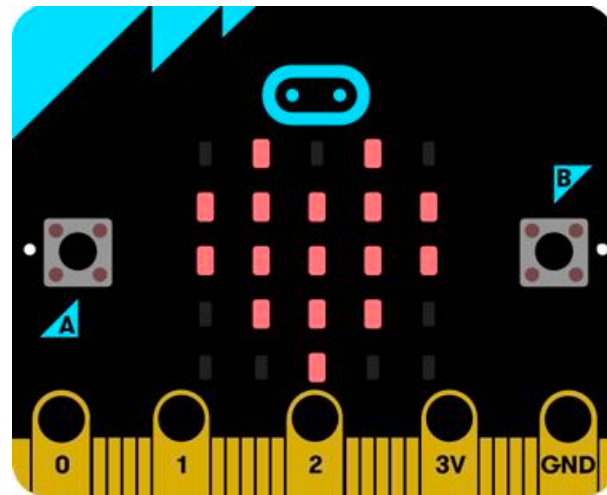
Acquisizione dati con micro:bit

Mu

MicroPython for micro:bit



Mu



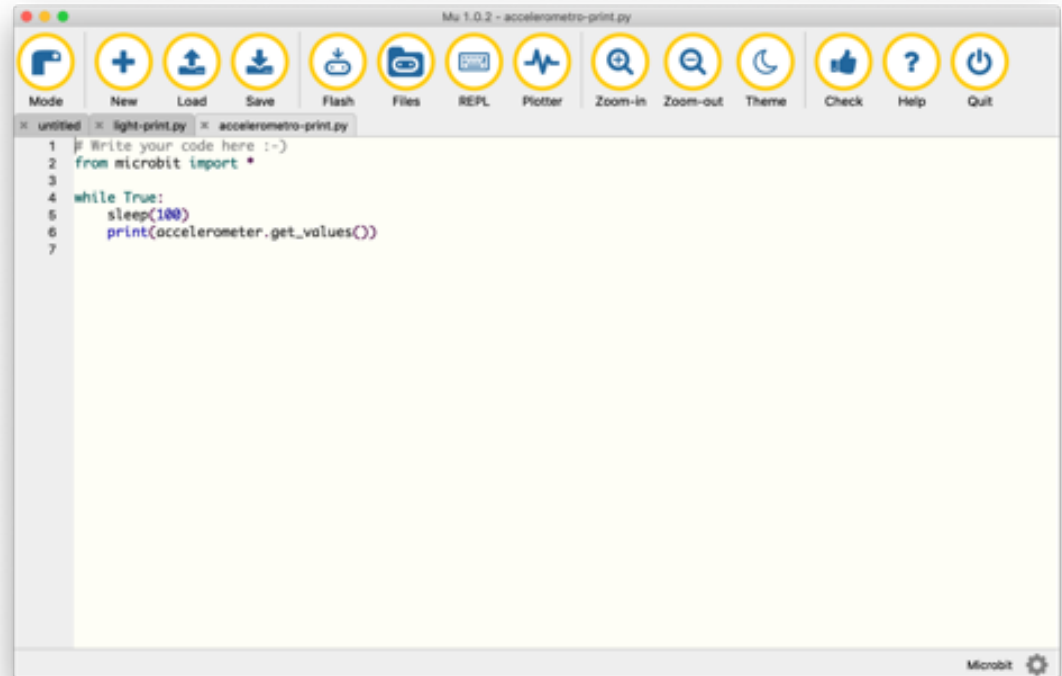
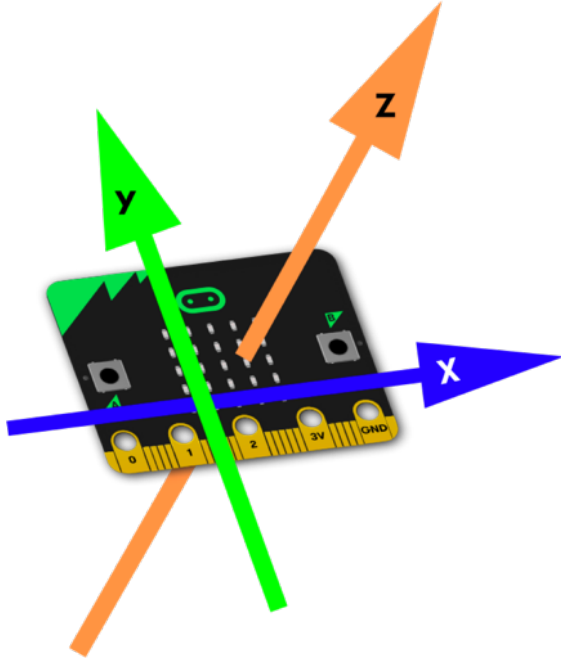
micro:bit

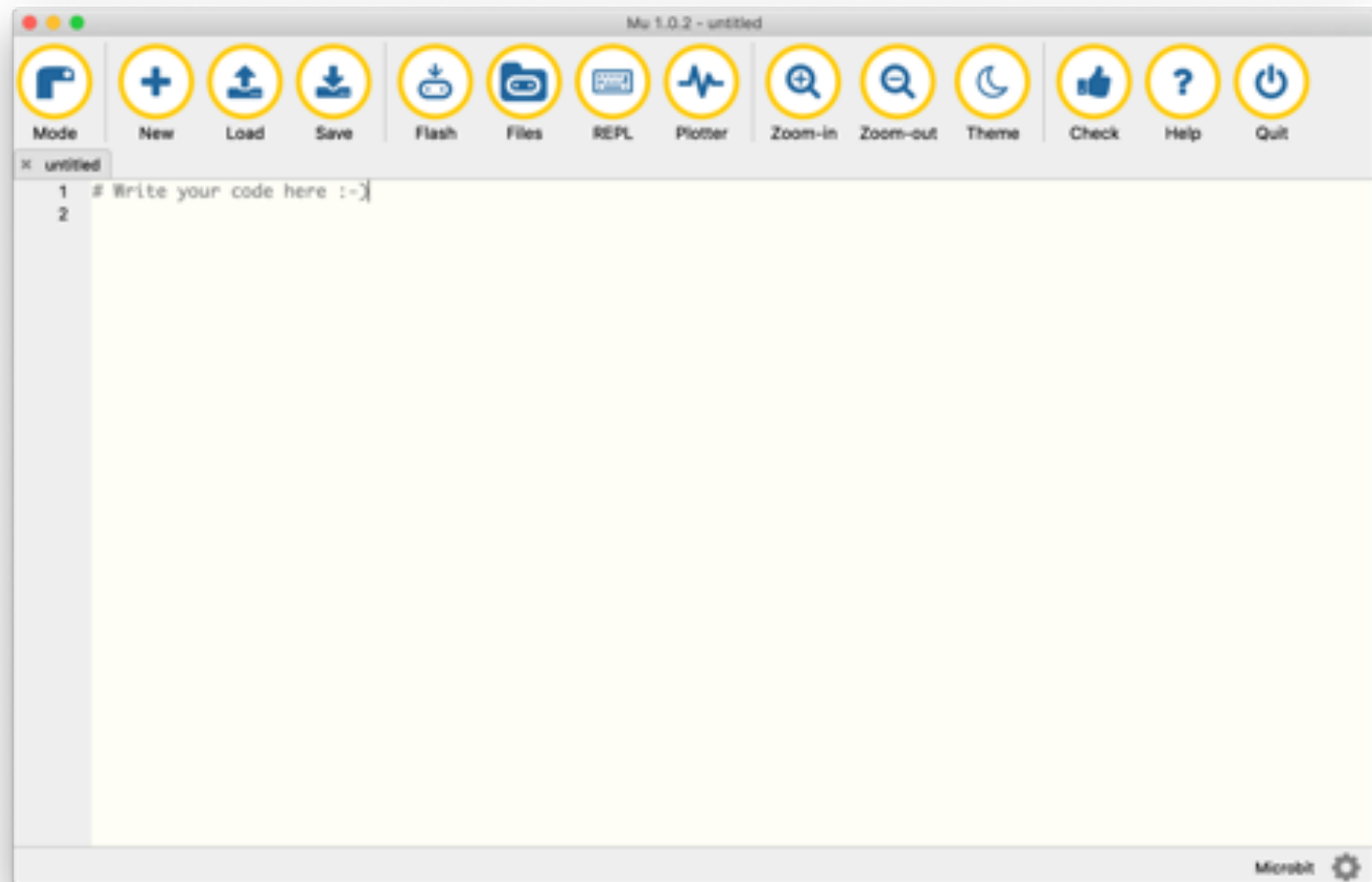
<https://microbit.org/en/2018-09-03-python-mu-datalogging/>

a questo link troverai...

Micro:bit e Mu Python Editor

Acquisizione dati ambientali





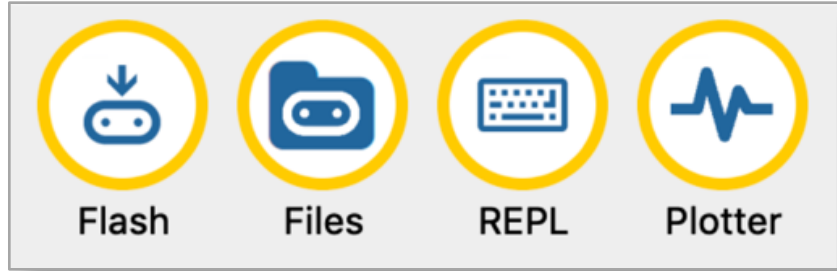


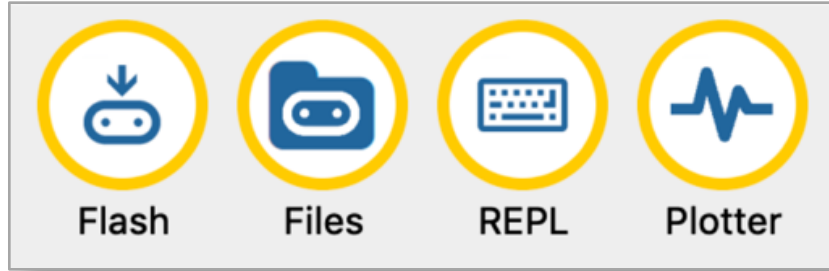
```
1 # Write your code here :-)  
2 from microbit import *  
3  
4 while True:  
5     sleep(100)  
6     print(accelerometer.get_values())
```

Sensore di accelerometrico











```
1 # Write your code here :-)  
2 from microbit import *  
3  
4 while True:  
5     sleep(1000)  
6     print("(%f)" % display.read_light_level())
```

Sensore di luminosità



Dove trovo i dati acquisiti?

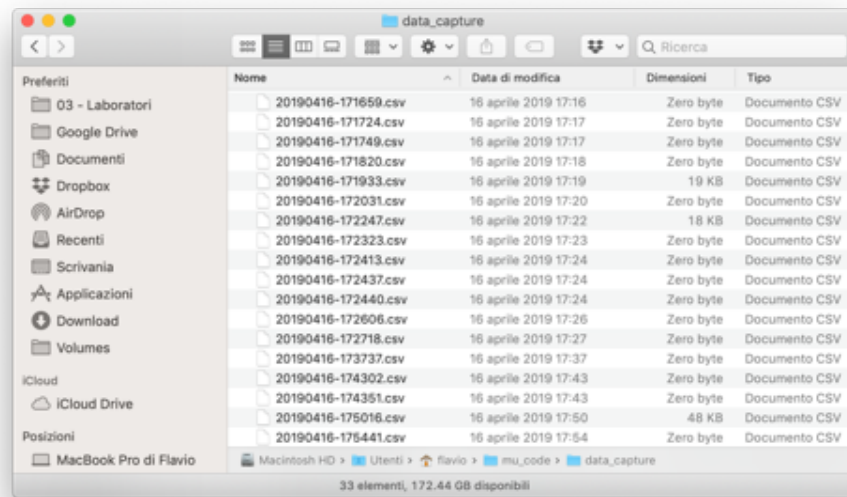
Scratch e miro:bit

Come procedere?

I dati acquisiti da micro:bit sono automaticamente salvati (in formato .CSV) nella cartella:

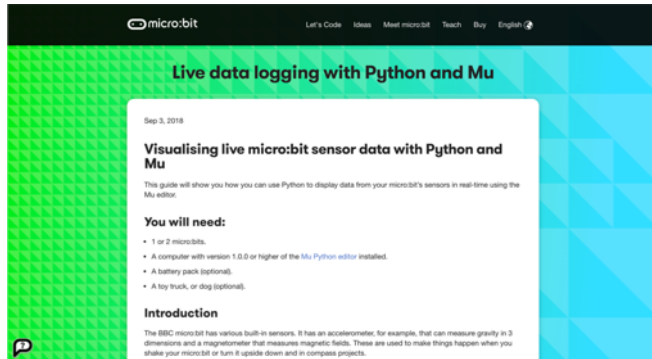
utente => mu_code => data_capture

È possibile aprire i file ed elaborarli utilizzando i seguenti programmi:



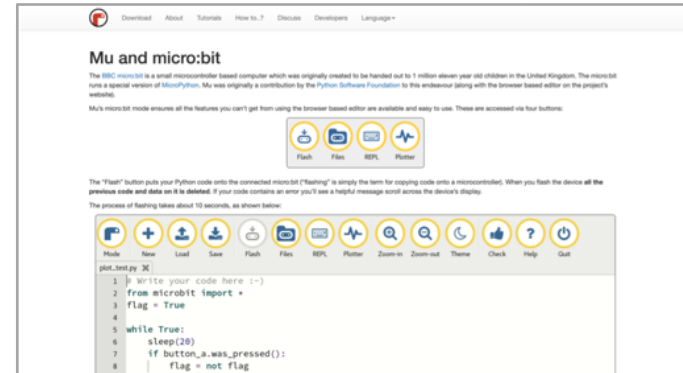
Scratch e mBlock

Ambienti di sviluppo



Live data logging with Python and Mu

<https://microbit.org/en/2018-09-03-python-mu-datalogging/>

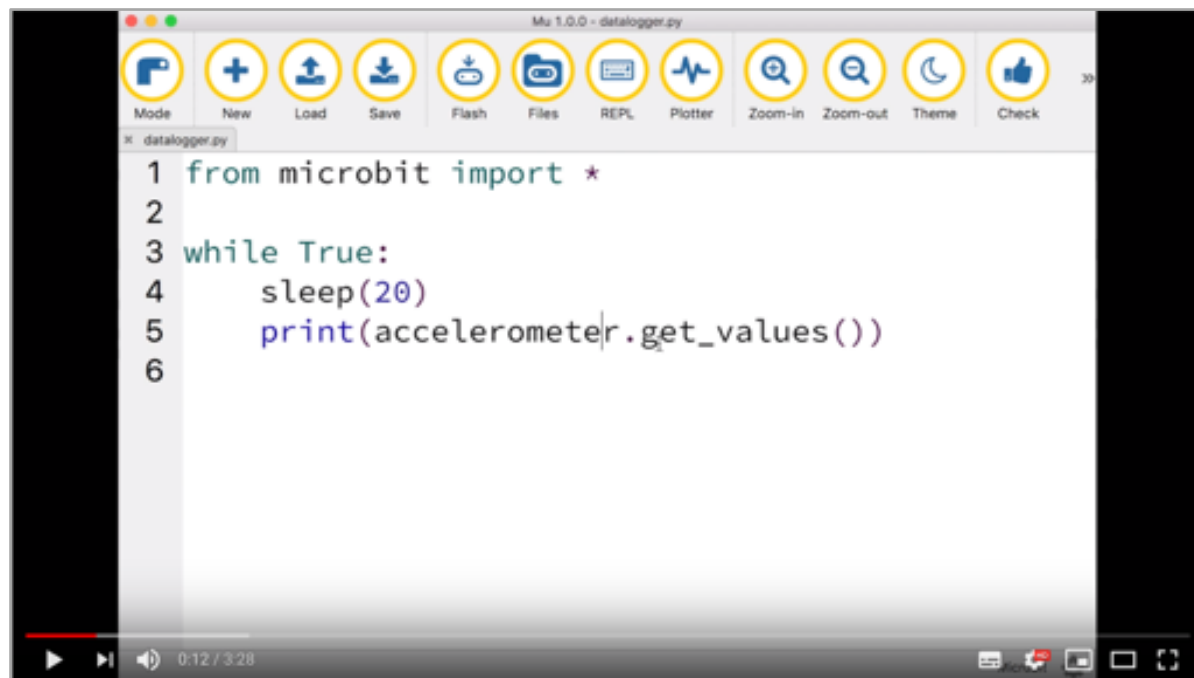


Mu and micro:bit tutorial

<https://codewith.mu/en/tutorials/1.0/microbit>

Scratch e mBlock

Ambienti di sviluppo



<https://youtu.be/iKja2eHgeu4>



Download Mu

<https://codewith.mu/en/download>



BBC micro:bit MicroPython documentation

<https://microbit-micropython.readthedocs.io/en/latest/>