

## Arduino jupyter notebook

Code arduino pour faire clignoter une LED :

```
int ledRed = 13;
// LED broche 13 void setup(){ // Ouvre la connection série. Serial.begin(9600); pinMode(ledRed,
OUTPUT);
} void loop(){ // Selon état s'éteint ou s'allume if(Serial.available() > 0){
digitalWrite(ledRed, HIGH); delay(1000);
digitalWrite(ledRed, LOW); delay(1000); Serial.flush(); } }
```

```
In [1]: from metakernel import register_ipython_magics
register_ipython_magics()
```

```
In [5]: %jigsaw Python --workspace workspace1
```

The screenshot displays the Jigsaw IDE interface. On the left, a sidebar lists various coding categories: Logic, Loops, Math, Text, Lists, Color, Variables, Functions, and Python. The main workspace shows a block-based code editor. The blocks are as follows:

- import serial** (Block 1)
- set ser to expression serial.Serial("/dev/tty...** (Block 2)
- expression ser.write("L")** (Block 3)
- expression ser.write("H")** (Block 4)

At the bottom of the workspace, there are two buttons: **Run** and **Generate Python Code**.

```
In [6]: import serial
ser = serial.Serial("/dev/ttyACM0",9600)
ser.write("L")
ser.write("H");
```