

1 SD Card Example

Below is a snippet of arduino code. It was added via the input of the external file `arduinoLanguage.tex`. A custom style was then created at the top of this file so that the non-built-in functions and classes like `SD` and `open()` would highlight properly. The style also adds the pretty box around the code. To see how this was accomplished, check out `latexExample.tex`.

```
1 #include <SD.h>
2
3 File logfile;
4 byte logPin = 10;
5
6 void setup() {
7     SD.begin(logPin);
8
9     /////////// Create a new file ///////////
10    char filename[] = "LOGGER00.CSV";
11    for (int i = 0; i < 100; i++) {
12        filename[6] = i/10 + '0';    // number the file
13        filename[7] = i%10 + '0';    //
14        if ( SD.exists(filename)==false ) { // only open a
            new file if it doesn't exist
15            logfile = SD.open(filename, FILE_WRITE);
16            break; // leave the loop!
17        }
18    }
19 }
20
21 void loop() {
22     // put your main code here, to run repeatedly:
23     logfile.println("Hello");
24     logfile.flush();
25     delay(1000);
26 }
```