Programmes Arduino pour 74HC595

Prog1.ino

```cpp
/*
  ShiftRegister74HC595 - Library for simplified control of 74HC595
shift registers.
  Developed and maintained by Timo Denk and contributers, since Nov
2014.
  Additional information is available at
https://timodenk.com/blog/shift-register-arduino-library/
  Released into the public domain.
*/

#include <ShiftRegister74HC595.h>

// create a global shift register object
// parameters: <number of shift registers> (data pin, clock pin, latch
pin)
ShiftRegister74HC595<1> sr(0, 1, 2);

void setup() {
}

void loop() {

  // setting all pins at the same time to either HIGH or LOW
  sr.setAllHigh(); // set all pins HIGH
  delay(500);

  sr.setAllLow(); // set all pins LOW
  delay(500);


  // setting single pins
  for (int i = 0; i < 8; i++) {

    sr.set(i, HIGH); // set single pin HIGH
    delay(250);
  }


  // set all pins at once
  uint8_t pinValues[] = { B10101010 };
  sr.setAll(pinValues);
  delay(1000);


  // read pin (zero based, i.e. 6th pin)
```

```
    uint8_t stateOfPin5 = sr.get(5);
    sr.set(6, stateOfPin5);


    // set pins without immediate update
    sr.setNoUpdate(0, HIGH);
    sr.setNoUpdate(1, LOW);
    // at this point of time, pin 0 and 1 did not change yet
    sr.updateRegisters(); // update the pins to the set values
}
```

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