

```
/*
Example 5.1
Count from 0~255 in binary
with two paralalled displays using

CC by-sa 3.0
http://tronixstuff.wordpress.com
based on work by Carlyn Maw and Tom Igoe
*/
int latchpin = 8; // connect to pin 12 on the '595
int clockpin = 12; // connect to pin 11 on the '595
int datapin = 11; // connect to pin 14 on the '595
void setup()
{
  pinMode(latchpin, OUTPUT);
  pinMode(clockpin, OUTPUT);
  pinMode(datapin, OUTPUT);
}
void loop()
{
  for (int loopy=0; loopy<256; loopy++)
  {
    digitalWrite(latchpin, LOW);
    shiftOut(datapin, clockpin, MSBFIRST, loopy);
    // this will send 'loopy' to the first shift register connected
    // to the arduino
    shiftOut(datapin, clockpin, MSBFIRST, loopy);
    // this will send 'loopy' again, into the first shift register
    // as it already has a byte of data, it pushed it over to the next
    // shift register.
    digitalWrite(latchpin, HIGH);
    delay(200);
  }
}
```