

Bit Reading 1

27/8/20

```
// This program displays a "number" as its individual bits
// on LEDs attached to pins 4 - 11.

int bit1 = 11;
int bit2 = 10;
int bit3 = 9;
int bit4 = 8;
int bit5 = 7;
int bit6 = 6;
int bit7 = 5;
int bit8 = 4;
int number = 0;
int bitNum[] = {bit1,bit2,bit3,bit4,bit5,bit6,bit7,bit8};

void setup() {
  pinMode(bit1,OUTPUT);
  pinMode(bit2,OUTPUT);
  pinMode(bit3,OUTPUT);
  pinMode(bit4,OUTPUT);
  pinMode(bit5,OUTPUT);
  pinMode(bit6,OUTPUT);
  pinMode(bit7,OUTPUT);
  pinMode(bit8,OUTPUT);
}

void bitDisp(){
  for(int bitCount = 0;bitCount < 8;bitCount++){
    digitalWrite(bitNum[bitCount],bitRead(number,bitCount));
  }
  delay(500);
}

void loop() {
  bitDisp();
  number++;
  if(number == 256){number = 0;}
}
```

