Bit Reading 2 27/8/20

```
int bit1 = 11;
int bit2 = 10;
int bit3 = 9;
int bit4 = 8;
int bit5 = 7;
int bit6 = 6;
int bit7 = 5;
int bit8 = 4;
byte number;
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() {
  number = B10000001;   // byte as individual bits
  bitDisp();
  number = 'B';         // letter as byte value (ASCII)
  bitDisp();
  number = 36;          // number as single byte (0-255)
  bitDisp();
  number = 0x18;        // hexadecimal (2 x nybbles = one byte)
  bitDisp();
  number = B00000000;
  bitDisp();
}
```

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