*#define LATCH 3*

*#define CLK 2*

*#define DATA 4*

*//This is the hex value of each number stored in an array by index num*

*byte digitOne[10]= {* B00000011, // = 0

B10011111, // = 1

B00100101, // = 2

B00001101, // = 3

B10011001, // = 4

B01001001, // = 5

B01000001, // = 6

B00011111, // = 7

B00000001, // = 8

B00011001 // = 9

*};*

*byte digitTwo[10]= {* B00000011, // = 0

B10011111, // = 1

B00100101, // = 2

B00001101, // = 3

B10011001, // = 4

B01001001, // = 5

B01000001, // = 6

B00011111, // = 7

B00000001, // = 8

B00011001 // = 9

*};*

*int i;*

*void setup(){*

*pinMode(LATCH, OUTPUT);*

*pinMode(CLK, OUTPUT);*

*pinMode(DATA, OUTPUT);*

*}*

*void loop(){*

*for(int i=0; i<10; i++){*

*for(int j=0; j<10; j++){*

*digitalWrite(LATCH, LOW);*

*shiftOut(DATA, CLK, LSBFIRST, ~digitTwo[i]); // digitTwo*

*shiftOut(DATA, CLK, LSBFIRST, ~digitOne[j]); // digitOne*

*digitalWrite(LATCH, HIGH);*

*delay(500);*

*}*

*}*

*}*