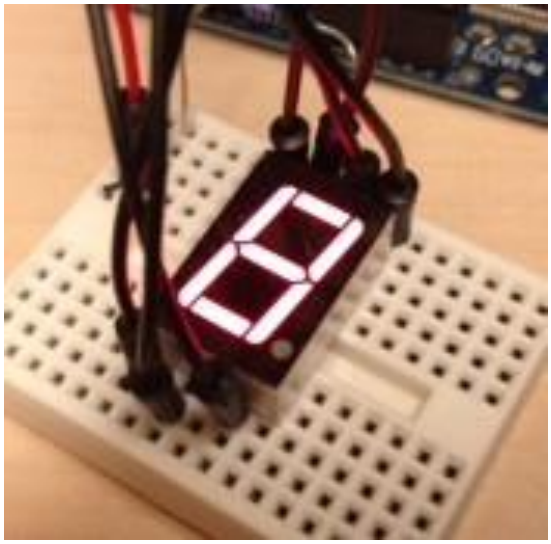


Video Connecting:

https://youtu.be/yWwvUUZ4-Xs

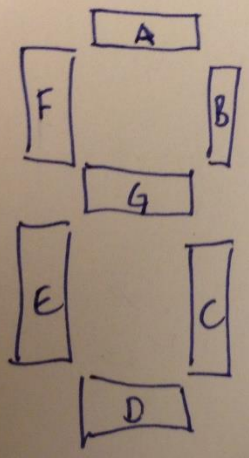
Code:

```
/*
  Showing number 0-9 on a Common Anode 7-segment LED display
  Displays the numbers 0-9 on the display, with one second inbetween.
    A
   ---
F |   | B
  | G |
   ---
E |   | C
  |   |
   ---
    D
  This example code is in the public domain.
 */

// Pin 2-8 is connected to the 7 segments of the display.

int pinA = 2;
int pinB = 3;
int pinC = 4;
int pinD = 5;
int pinE = 6;
int pinF = 7;
int pinG = 8;


// the setup routine runs once when you press reset:
void setup() {
  // initialize the digital pins as outputs.
```

```
  pinMode(pinA, OUTPUT);
  pinMode(pinB, OUTPUT);
  pinMode(pinC, OUTPUT);
  pinMode(pinD, OUTPUT);
  pinMode(pinE, OUTPUT);
  pinMode(pinF, OUTPUT);
  pinMode(pinG, OUTPUT);
}

// the loop routine runs over and over again forever:
void loop() {
  //0
  digitalWrite(pinA, LOW);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD, LOW);
  digitalWrite(pinE, LOW);
  digitalWrite(pinF, LOW);
  digitalWrite(pinG, HIGH);
  delay(1000);               // wait for a second

  //1
  digitalWrite(pinA, HIGH);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD, HIGH);
  digitalWrite(pinE, HIGH);
  digitalWrite(pinF, HIGH);
  digitalWrite(pinG, HIGH);
  delay(1000);               // wait for a second

  //2
  digitalWrite(pinA, LOW);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC, HIGH);
  digitalWrite(pinD, LOW);
  digitalWrite(pinE, LOW);
  digitalWrite(pinF, HIGH);
  digitalWrite(pinG, LOW);
  delay(1000);               // wait for a second

  //3
  digitalWrite(pinA, LOW);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD, LOW);
  digitalWrite(pinE, HIGH);
  digitalWrite(pinF, HIGH);
  digitalWrite(pinG, LOW);
  delay(1000);               // wait for a second

  //4
  digitalWrite(pinA, HIGH);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD, HIGH);
  digitalWrite(pinE, HIGH);
```

```
  digitalWrite(pinF, LOW);
  digitalWrite(pinG, LOW);
  delay(1000);              // wait for a second

  //5
  digitalWrite(pinA, LOW);
  digitalWrite(pinB, HIGH);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD, LOW);
  digitalWrite(pinE, HIGH);
  digitalWrite(pinF, LOW);
  digitalWrite(pinG, LOW);
  delay(1000);              // wait for a second

  //6
  digitalWrite(pinA, LOW);
  digitalWrite(pinB, HIGH);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD, LOW);
  digitalWrite(pinE, LOW);
  digitalWrite(pinF, LOW);
  digitalWrite(pinG, LOW);
  delay(1000);              // wait for a second

  //7
  digitalWrite(pinA, LOW);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD, HIGH);
  digitalWrite(pinE, HIGH);
  digitalWrite(pinF, HIGH);
  digitalWrite(pinG, HIGH);
  delay(1000);              // wait for a second

  //8
  digitalWrite(pinA, LOW);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD, LOW);
  digitalWrite(pinE, LOW);
  digitalWrite(pinF, LOW);
  digitalWrite(pinG, LOW);
  delay(1000);              // wait for a second

  //9
  digitalWrite(pinA, LOW);
  digitalWrite(pinB, LOW);
  digitalWrite(pinC, LOW);
  digitalWrite(pinD, HIGH);
  digitalWrite(pinE, HIGH);
  digitalWrite(pinF, LOW);
  digitalWrite(pinG, LOW);
  delay(1000);              // wait for a second
}
```

Common anode x= low
Common cathode x= high



	A	B	C	D	E	F	G
1		x	x				
2	x	x		x	x		x
3	x	x	x	x			x
4		x	x			x	x
5	x		x	x		x	x
6	x		x	x	x	x	x
7	x	x	x				
8	x	x	x	x	x	x	x
9	x	x	x			x	x
0	x	x	x	x	x	x