/\*

 \* Pat McMahon 23/7/2018 from basics.

 \* A020-5x5x5 LED Cube

 \* LED's light up one at a time & stay on.

 \* www.introtoarduino.com

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const int kPinLed1 = 2;

const int kPinLed2 = 3;

const int kPinLed3 = 4;

const int kPinLed4 = 5;

const int kPinLed5 = 6;

const int kPinLed6 = 7;

const int kPinLed7 = 8;

const int kPinLed8 = 9;

const int kPinLed9 = 10;

const int kPinLed10 = 11;

int delayTime=1000;

void setup()

{

 pinMode(kPinLed1, OUTPUT);

 pinMode(kPinLed2, OUTPUT);

 pinMode(kPinLed3, OUTPUT);

 pinMode(kPinLed4, OUTPUT);

 pinMode(kPinLed5, OUTPUT);

 pinMode(kPinLed6, OUTPUT);

 pinMode(kPinLed7, OUTPUT);

 pinMode(kPinLed8, OUTPUT);

 pinMode(kPinLed9, OUTPUT);

 pinMode(kPinLed10, OUTPUT);

}

void loop()

{

 // turn on each of the LEDs in order

 digitalWrite(kPinLed1, HIGH);

 digitalWrite(kPinLed6, LOW);

 delay(delayTime);

 digitalWrite(kPinLed1, HIGH);

 digitalWrite(kPinLed7, LOW);

 delay(delayTime);

 digitalWrite(kPinLed1, HIGH);

 digitalWrite(kPinLed8, LOW);

 delay(delayTime);

 digitalWrite(kPinLed1, HIGH);

 digitalWrite(kPinLed9, LOW);

 delay(delayTime);

 digitalWrite(kPinLed1, HIGH);

 digitalWrite(kPinLed10, LOW);

 delay(delayTime);

 digitalWrite(kPinLed1, LOW);

 digitalWrite(kPinLed2, HIGH);

 digitalWrite(kPinLed6, LOW);

 delay(delayTime);

 digitalWrite(kPinLed2, HIGH);

 digitalWrite(kPinLed7, LOW);

 delay(delayTime);

 digitalWrite(kPinLed2, HIGH);

 digitalWrite(kPinLed8, LOW);

 delay(delayTime);

 digitalWrite(kPinLed2, HIGH);

 digitalWrite(kPinLed9, LOW);

 delay(delayTime);

 digitalWrite(kPinLed2, HIGH);

 digitalWrite(kPinLed10, LOW);

 delay(delayTime);

 digitalWrite(kPinLed2, LOW);

 digitalWrite(kPinLed3, HIGH);

 digitalWrite(kPinLed6, LOW);

 delay(delayTime);

 digitalWrite(kPinLed3, HIGH);

 digitalWrite(kPinLed7, LOW);

 delay(delayTime);

 digitalWrite(kPinLed3, HIGH);

 digitalWrite(kPinLed8, LOW);

 delay(delayTime);

 digitalWrite(kPinLed3, HIGH);

 digitalWrite(kPinLed9, LOW);

 delay(delayTime);

 digitalWrite(kPinLed3, HIGH);

 digitalWrite(kPinLed10, LOW);

 delay(delayTime);

 digitalWrite(kPinLed3, LOW);

 digitalWrite(kPinLed4, HIGH);

 digitalWrite(kPinLed6, LOW);

 delay(delayTime);

 digitalWrite(kPinLed4, HIGH);

 digitalWrite(kPinLed7, LOW);

 delay(delayTime);

 digitalWrite(kPinLed4, HIGH);

 digitalWrite(kPinLed8, LOW);

 delay(delayTime);

 digitalWrite(kPinLed4, HIGH);

 digitalWrite(kPinLed9, LOW);

 delay(delayTime);

 digitalWrite(kPinLed4, HIGH);

 digitalWrite(kPinLed10, LOW);

 delay(delayTime);

 digitalWrite(kPinLed4, LOW);

 digitalWrite(kPinLed5, HIGH);

 digitalWrite(kPinLed6, LOW);

 delay(delayTime);

 digitalWrite(kPinLed5, HIGH);

 digitalWrite(kPinLed7, LOW);

 delay(delayTime);

 digitalWrite(kPinLed5, HIGH);

 digitalWrite(kPinLed8, LOW);

 delay(delayTime);

 digitalWrite(kPinLed5, HIGH);

 digitalWrite(kPinLed9, LOW);

 delay(delayTime);

 digitalWrite(kPinLed5, HIGH);

 digitalWrite(kPinLed10, LOW);

 delay(delayTime);

 digitalWrite(kPinLed5, LOW);

 // turn off each of the LEDs in order

}