// Modified Pat McMahon 12/2/2021

//A001

// 20 LED's pin 2 to 20

int timer = 400; // The higher the number, the slower the timing.

void setup() {

// use a for loop to initialize each pin as an output:

for (int thisPin = 2; thisPin < 20; thisPin++) {

pinMode(thisPin, OUTPUT);

}

}

void loop() {

// loop from the lowest pin to the highest:

for (int thisPin = 2; thisPin < 20; thisPin++)

{

// turn the pin on:

digitalWrite(thisPin, HIGH);

delay(timer);

// turn the pin off:

digitalWrite(thisPin, LOW);

}

// loop from the highest pin to the lowest:

for (int thisPin = 20; thisPin >= 2; thisPin--)

{

// turn the pin on:

digitalWrite(thisPin, HIGH);

delay(timer);

// turn the pin off:

digitalWrite(thisPin, LOW);

}

}