// Define the pins for the LEDs

int ledPins[] = {12, 11, 10, 9, 8}; // LED pins

int numLeds = 5; // Number of LEDs

void setup() {

// Set each pin as an OUTPUT

for (int i = 0; i < numLeds; i++) {

pinMode(ledPins[i], OUTPUT);

}

}

void loop() {

// Turn on LEDs one by one

for (int i = 0; i < numLeds; i++) {

digitalWrite(ledPins[i], HIGH); // Turn LED on

delay(1000); // 1 second delay

}

// Turn off LEDs one by one

for (int i = 0; i < numLeds; i++) {

digitalWrite(ledPins[i], LOW); // Turn LED off

delay(1000); // 1 second delay

}

}

For odd numbers just change the void loop:  
  
void loop() {

// Turn on odd-numbered LEDs

for (int i = 1; i < numLeds; i += 2) {

digitalWrite(ledPins[i], HIGH); // Turn LED on

delay(1000); // 1 second delay

}

// Turn off odd-numbered LEDs

for (int i = 1; i < numLeds; i += 2) {

digitalWrite(ledPins[i], LOW); // Turn LED off

delay(1000); // 1 second delay

}

}

For even numbers just change the void loop

void loop() {

// Turn on even-numbered LEDs

for (int i = 0; i < numLeds; i += 2) {

digitalWrite(ledPins[i], HIGH); // Turn LED on

delay(1000); // 1 second delay

}

// Turn off even-numbered LEDs

for (int i = 0; i < numLeds; i += 2) {

digitalWrite(ledPins[i], LOW); // Turn LED off

delay(1000); // 1 second delay

}

}