

Project pertama

WOKWI

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sketch.ino

diagram.json

Library Manager

```
1  const int ledCount = 10;
2
3  int ledPins[] = {2,3,4,5,6,7,8,9,10,11};
4  int ledPosisi = 0;
5
6  void setup(){
7    for (int thisLed = 0; thisLed < ledCount; thisLed++){
8      pinMode(ledPins[thisLed], OUTPUT);
9    }
10 }
11
12 void loop(){
13   for (int thisLed=0; thisLed < ledCount; thisLed++){
14     if (thisLed== ledPosisi){
15       digitalWrite(ledPins[thisLed], LOW);
16     }
17     else {
18       digitalWrite(ledPins[thisLed], HIGH);
19     }
20   }
21   ledPosisi ++;
22   if(ledPosisi== 10){ ledPosisi = 0;
23 }
24   delay(1000);
25 }
26
```

Simulation

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Project kedua

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sketch.ino

diagram.json

Library Manager

```
1  const int ledCount = 10;
2  int ledPins[] = {2, 3, 4, 5, 6, 7, 8, 9, 10, 11};
3  int WaktuDelay = 100;
4
5  void setup() {
6    for(int thisLed = 0; thisLed<ledCount; thisLed++){
7      pinMode(ledPins[thisLed], OUTPUT);
8    }
9  }
10
11
12 void loop() {
13   for(int thisLed = 0; thisLed<ledCount/2; thisLed++){
14     digitalWrite(ledPins[thisLed], HIGH);
15     digitalWrite(ledPins[ledCount-thisLed-1], HIGH);
16   }
17
18   // Bergerak dari kiri ke kanan dan sebaliknya secara bersamaan
19   for (int thisLed = 0; thisLed < ledCount / 2; thisLed++) {
20     digitalWrite(ledPins[thisLed], LOW);
21     digitalWrite(ledPins[ledCount - thisLed - 1], LOW);
22     delay(1000);
23     digitalWrite(ledPins[thisLed], HIGH);
24     digitalWrite(ledPins[ledCount - thisLed - 1], HIGH);
25   }
26
27   // Bergerak dari kanan ke kiri dan sebaliknya secara bersamaan
28   for (int thisLed = ledCount / 2 - 1; thisLed >= 0; thisLed--) {
29     digitalWrite(ledPins[thisLed], LOW);
30     digitalWrite(ledPins[ledCount - thisLed - 1], LOW);
31     delay(1000);
32     digitalWrite(ledPins[thisLed], HIGH);
33     digitalWrite(ledPins[ledCount - thisLed - 1], HIGH);
34   }
35 }
36
37
```

Simulation

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