

Blinking LED

```
void setup()
{
  pinMode(13, OUTPUT);
  pinMode(7, OUTPUT);
  pinMode(0, OUTPUT);
  pinMode(4, OUTPUT);
}

void loop()
{
  digitalWrite(13, HIGH);
  delay(500);
  digitalWrite(13, LOW);
  delay(500);

  digitalWrite(7, HIGH);
  delay(500);
  digitalWrite(7, LOW);
  delay(500);

  digitalWrite(0, HIGH);
  delay(500);
  digitalWrite(0, LOW);
  delay(500);

  digitalWrite(4, HIGH);
  delay(500);
  digitalWrite(4, LOW);
  delay(500);
}
```

Blinking LED using array

```
int light[] = {13, 7, 0, 4};
int lightNum = 4;

void setup()
{
    for(int i = 0; i < lightNum; i++)
    {
        pinMode(light[i], OUTPUT);
    }
}

void loop()
{
    for(int i = 0; i < lightNum; i++){
        digitalWrite(light[i], HIGH);
        delay(500);
        digitalWrite(light[i], LOW);
        delay(500);
    }
}
```

Automated Street

```
void setup()
{
    pinMode(13, OUTPUT);
    Serial.begin(9600);
}

void loop()
{
    int val = analogRead(A0);
    Serial.println(val);

    if(val < 500){
        digitalWrite(13, HIGH);
    }
}
```

```
}  
else{  
    digitalWrite(13,LOW);  
}  
}
```

Smart Garden

```
void setup()  
{  
    pinMode(13, OUTPUT);  
    Serial.begin(9600);  
}  
  
void loop()  
{  
    int val = analogRead(A0);  
    Serial.println(val);  
  
    if(val < 500){  
        digitalWrite(13, HIGH);  
    }  
    else{  
        digitalWrite(13,LOW);  
    }  
}
```