

```
//=====Week_8_Ultrasonic_Sensor
//=====By_AA_Crazy_12/10/2025
```

```
void setup()
```

```
{
  Serial.begin(115200);
  pinMode(2,OUTPUT); //Trig
  pinMode(3,OUTPUT); //Echo
  pinMode(13,OUTPUT); //LED
}
```

```
void loop()
```

```
{
  digitalWrite(2,0);
  delayMicroseconds(2);
  digitalWrite(2,1);
  delayMicroseconds(5);
  digitalWrite(2,0);

  int T = pulseIn(3,1); //ค่าเวลาเป็นไมโคร Se
  float D = T/58.0;

  Serial.print(D);
  Serial.println("D");
  if(D < 5)
  {
    digitalWrite(13,1);
  }
  else if (D > 15)
  {
    digitalWrite(13,1);
    delay(200);
    digitalWrite(13,0);
    delay(200);
  }
  else if (D < 30)
  {
```

```
    digitalWrite(13,1);  
    delay(700);  
    digitalWrite(13,0);  
    delay(700);  
}  
else  
    digitalWrite(13,0);  
    delay(100);  
}
```