

```
#define trigPin 13
#define echoPin 12
int counter = 0;
int currentState = 0;
int previousState = 0;
void setup()
{
    Serial.begin(9600);
    pinMode(trigPin, OUTPUT);
    pinMode(echoPin, INPUT);
}

void loop()
{
    long duration, distance;
    digitalWrite(trigPin, LOW);
    delayMicroseconds(2);
    digitalWrite(trigPin, HIGH);
    delayMicroseconds(10);
    digitalWrite(trigPin, LOW);
    duration = pulseIn(echoPin, HIGH);
    distance = (duration/2) / 29.1;
    if (distance <= 60)
    {
        currentState = 1;
    }
    else
    {
        currentState = 0;
    }
    delay(100);
    if(currentState != previousState)
    {
        if(currentState == 1)
        {
            counter = counter + 1;
            Serial.println(counter);
        }
    }
}
```