

HOME AUTOMATION USING TINKERCARD

```
void setup()
{
    pinMode (11,INPUT);
    pinMode (12,OUTPUT);
    pinMode (13,OUTPUT);
    Serial.begin(9600);
}

void loop() {
    digitalWrite (12,LOW);
    delayMicroseconds(2);
    digitalWrite(12,HIGH);
    delayMicroseconds(10);
    digitalWrite(12,LOW);
    long duration=pulseIn(11, HIGH);
    int distance=duration*(0.34/2);
    if (distance<=45){
        digitalWrite(13,HIGH);
    }
    else{
        digitalWrite(13,LOW);
    }
    Serial.println (distance);
    delay(20);
}
```

