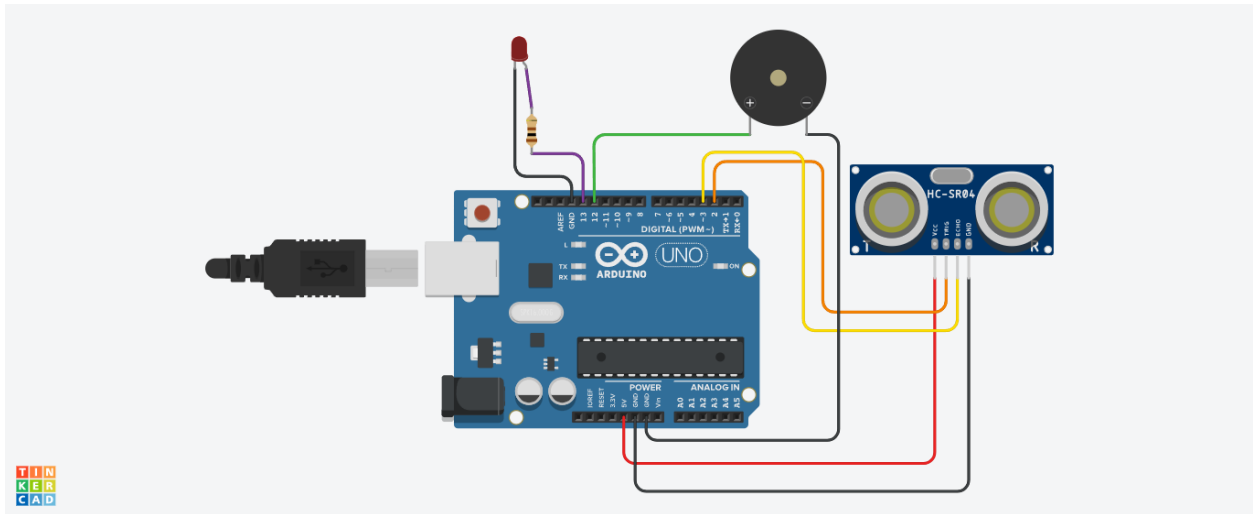


SMART HOME WITH SENSOR ,LED AND BUZZER



```
int t=2;

int e=3;

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

```
void loop()
{
    digitalWrite(t,HIGH);
    delayMicroseconds(10);
    digitalWrite(t,LOW);
    float dur = pulseIn(e,HIGH);
    float dis = (dur*0.0343)/2;
    if (dis<=200)
    {
        Serial.println("object detected");
        Serial.println(12,HIGH);
        digitalWrite(13,HIGH);
        Serial.println("LED ON");
        delay(1000);
    }
    else
    {
        Serial.println("no object detected");
        digitalWrite(12,LOW);
        digitalWrite(13,LOW);
        delay(1000);
    }
}
```