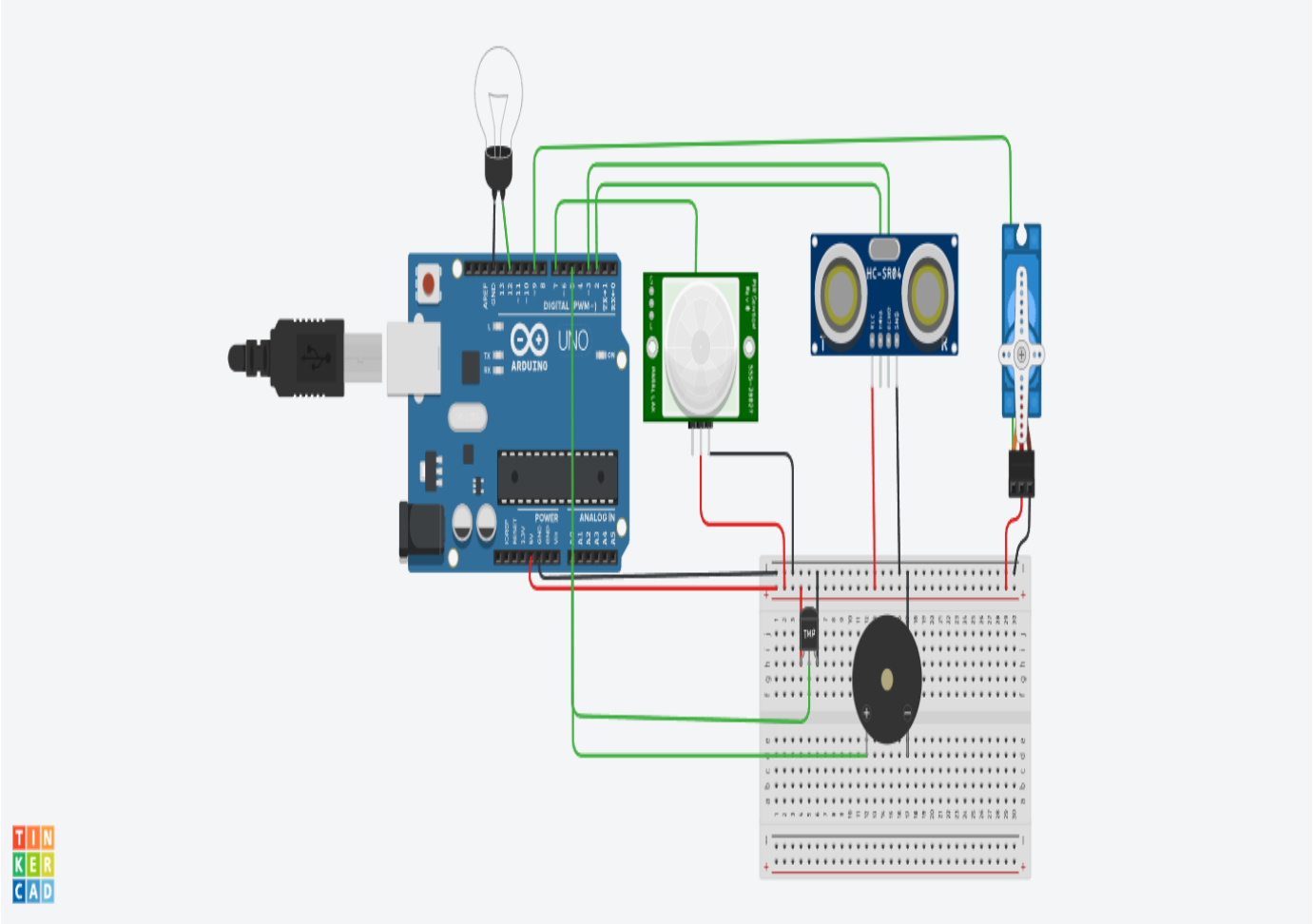
Circuit Diagram



Source Code

```
#include<Servo.h>

int t=2;

int e=3;

int led=12;

int sensor=7;

int buz=5;

int state=LOW;

int val=0;

Servo s;

void setup()

{

 pinMode(led, OUTPUT);

 pinMode(sensor,INPUT);

 pinMode(t,OUTPUT);

 pinMode(e,INPUT);

 pinMode(buz,OUTPUT);

 s.attach(9);

 Serial.begin(9600);

}


void loop()
```

```
{
 val=digitalRead(sensor);
 if(val==HIGH)
 {
  digitalWrite(led,HIGH);
  delay(500);
 }
  digitalWrite(t,0);
  digitalWrite(t,1);
  delayMicroseconds(10);
  digitalWrite(t,0);
  float dur =pulseIn(e,HIGH);
  float dis=(dur*0.0343)/2;
  Serial.print(dis);
  if(dis<100)
   s.write(180);
  else
   s.write(0);
   double T=analogRead(A0);
   double  te=(((T/1024)*5)-0.5)*100;
   if(te>70)
    tone(5,100);
   else
    noTone(0);
}
```