```
#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);
}
```