```
Int t=2;

Int e=3;

Void setup() {

Serial.begin(9600);

pinMode(t,OUTPUT);

pinMode(e,INPUT);

pinMode(12,OUTPUT);

} void loop() {

digitalWrite(t,LOW);

digitalWrite(t,HIGH);

delayMicroseconds(10);

digitalWrite(t,LOW);

float dur=pulseIn(e,HIGH); float dis=(dur*0.0343)/2;

Serial.print("Distance is: ");

Serial.println(dis);

If(dis>=100) {

digitalWrite(8,HIGH);

digitalWrite(7,HIGH);

}

If(dis>=100)

{

For(int i=0; i<=30000; i=i+10)

{

Tone(12,i);

Delay(1000);

noTone(12);

delay(1000);

}

} double a= analogRead(A0);
```

```
Double t=(((a/1024)*5)-0.5)*100;

Serial.print("Temp Value: "); S Serial.println(t);

Delay(1000); if(t>=100) { digitalWrite(8,HIGH);

digitalWrite(7,HIGH);

} if(t>=100)

{

For(int i=0; i<=30000; i=i+10)

{

Tone(12,i);

Delay(1000);

noTone(12);

delay(1000);

}

} if(t<100)

{


digitalWrite(7,LOW);

} } digitalWrite(8,LOW); digitalWrite(7,LOW); } }
```