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); } }