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ASSIGNMENT 4 - BUZZER FOR ULTRASONIC SENSOR

SOURCE CODE:

```
int t=2;
int e=3;

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

void loop()
{
 //ultrasonic sensor
 digitalWrite(t,LOW);
 digitalWrite(t,HIGH);
 delayMicroseconds(1
 0); digitalWrite(t,LOW);
```

```
float
dur=pulseIn(e,HIGH);
float dis=(dur*0.0343)/2;
Serial.print("Distance is:
"); Serial.println(dis);

 //LED ON
if(dis>=100)
{
  digitalWrite(8,HIGH)
 ;
  digitalWrite(7,HIGH)
 ;
}

//Buzzer For ultrasonic
Sensor if(dis>=100)
{
for(int i=0; i<=30000; i=i+10)
{
tone(12,i);
delay(1000)
;
noTone(12)
;
delay(1000)
;
}
}
```

OUTPUT: