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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);
    }
}
```

