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## ASSIGNMENT 4-BUZZER FOR ULTRASONIC SENSOR

### SOURCE CODE:

```
intt=2;
inte=3;

voidsetup()
{
  Serial.begin(9600);pin
  nMode(t,OUTPUT);
  pinMode(e,INPUT);
  pinMode(12,OUTPU
  T);
}

voidloop()
{
  //ultrasonic
  sensordigitalWrite(t,L
  OW);digitalWrite(t,H
  IGH);delayMicroseco
  nds(10);digitalWrite(t
  ,LOW);
```

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

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

//Buzzer For ultrasonic
Sensorif(dis>=100)
{
for(inti=0;i<=30000;i=i+10)
{
tone(12,i);d
elay(1000);
noTone(12)
;delay(100
0);
}
}
```

