

ASSIGNMENT 4-BUZZER FOR ULTRASONIC SENSOR

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SOURCE CODE:

```
intt=2;  
inte=3;  
  
voidsetup()  
{  
    Serial.begin(9600);pi  
    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,HIGH
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);
}
}

```

