ASSIGNMENT 4-BUZZER FOR ULTRASONIC SENSOR

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