Name:  Shri Ram S.R
REG NO: 19euec139

**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);
```

```arduino
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,HIG
 H);
 digitalWrite(7,HIG
 H);
}

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