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### ASSIGNMENT 4-BUZZER FOR ULTRASONIC SENSOR

#### CODE:

```
void setup(){
    Serial.begin(9600);
    pinMode(2,OUTPUT);
    pinMode(3,INPUT);
    pinMode(12,OUTPUT);
}
void loop()
{
    digitalWrite(2,LOW);
    digitalWrite(2,HIGH);
    delayMicroseconds(10);
    digitalWrite(2,LOW);
    float dur=pulseIn(3,HIGH);
    float dis=(dur*0.0343)/2;
    Serial.print("Distance is: ");
    Serial.println(dis);
    if(dis>=100){
        digitalWrite(8,HIGH);
        digitalWrite(7,HIGH);
    }
    if(dis>=100){
        for(int i=0; i<=30000; i=i+10){
            tone(12,i);
            delay(1000);
            noTone(12);
            delay(1000);
        }
    }
}
```

## OUTPUT:

