

Assignment 4

Submitted by:

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CODE:

```
#define trigPin 8
#define echoPin 9
#define buzzer 10
long duration;
float distanceInch;
int timer;
void setup() {
  pinMode(trigPin, OUTPUT);
  pinMode(echoPin, INPUT);
  pinMode(buzzer, OUTPUT);
```

```
}  
void loop() {  
    digitalWrite(trigPin, LOW);  
    delayMicroseconds(2);  
    digitalWrite(trigPin, HIGH);  
    delayMicroseconds(10);  
    digitalWrite(trigPin, LOW);  
    duration = pulseIn(echoPin, HIGH);  
    distanceInch = duration * 0.0133 / 2;  
    digitalWrite(buzzer, HIGH);  
    delay(50);  
    digitalWrite(buzzer, LOW);  
    timer = distanceInch * 10;  
    delay(timer);  
}
```

FIGURE:

