ASSIGNMENT-1

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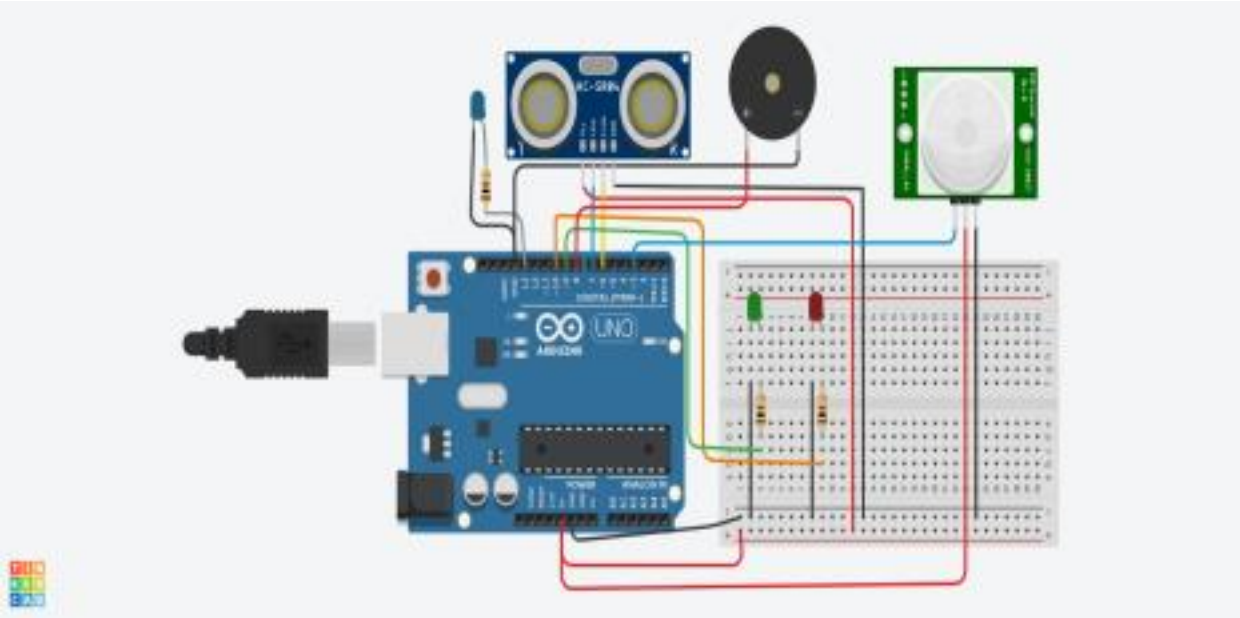

```
#define Trigpin 7

#define Echopin 8

#define low_led 9

#define high_led 10

float distance;

int duration;

int ll = 700;


void setup() {

 pinMode (Trigpin, OUTPUT);

 pinMode (low_led, OUTPUT);

 pinMode (high_led, OUTPUT);

 pinMode (Echopin, INPUT);

 Serial.begin(9600);

 Serial.println ("Welcome To Distance Meter");

 Serial.println ("Coded By Jevins Annson");

 digitalWrite (low_led, LOW);

 digitalWrite (high_led, LOW);

}
void loop() {
```

```
 digitalWrite(Trigpin, LOW);
 delayMicroseconds(2);
 digitalWrite(Trigpin, HIGH);
 delayMicroseconds(10);
 digitalWrite(Trigpin, LOW);
 duration = pulseIn(Echopin, HIGH);
 distance = duration * 0.034 / 2;
 delay (ll);
 Serial.println (" ");
 Serial.print ("Distance = ");
 Serial.print (distance);
 Serial.print (" CM");
 Serial.println (" ");

 if (distance>=30)
 {
 Serial.println ("Nobody Is Infront Of the Sensor");  digitalWrite
(low_led, HIGH);
 delay (500);
 digitalWrite (low_led, LOW);
 delay (500);
 digitalWrite (low_led, HIGH);
 }
 else
 {
 Serial.println ("Someone Is Infront Of the Sensor");  digitalWrite
(high_led, HIGH);
 delay (100);
 digitalWrite (high_led, LOW);
 delay (100);
 digitalWrite (high_led, HIGH);  delay (100);
 }
}
```