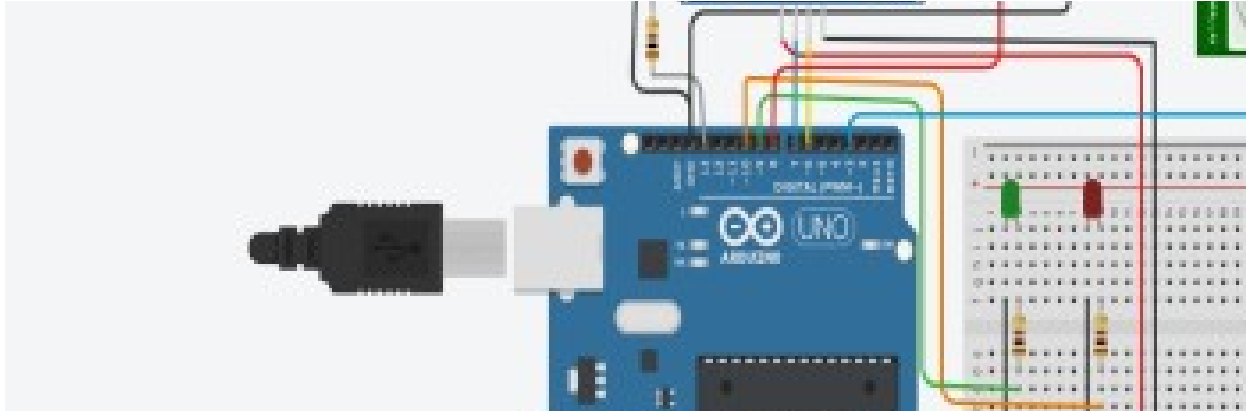


ASSIGNMENT-1

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```
#define Trigpin 7

#define Echopin 8

#define low_led 9

#define high_led 10

float distance;

int duration;

int H = 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 (11);
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);  
  
}  
  
}
```