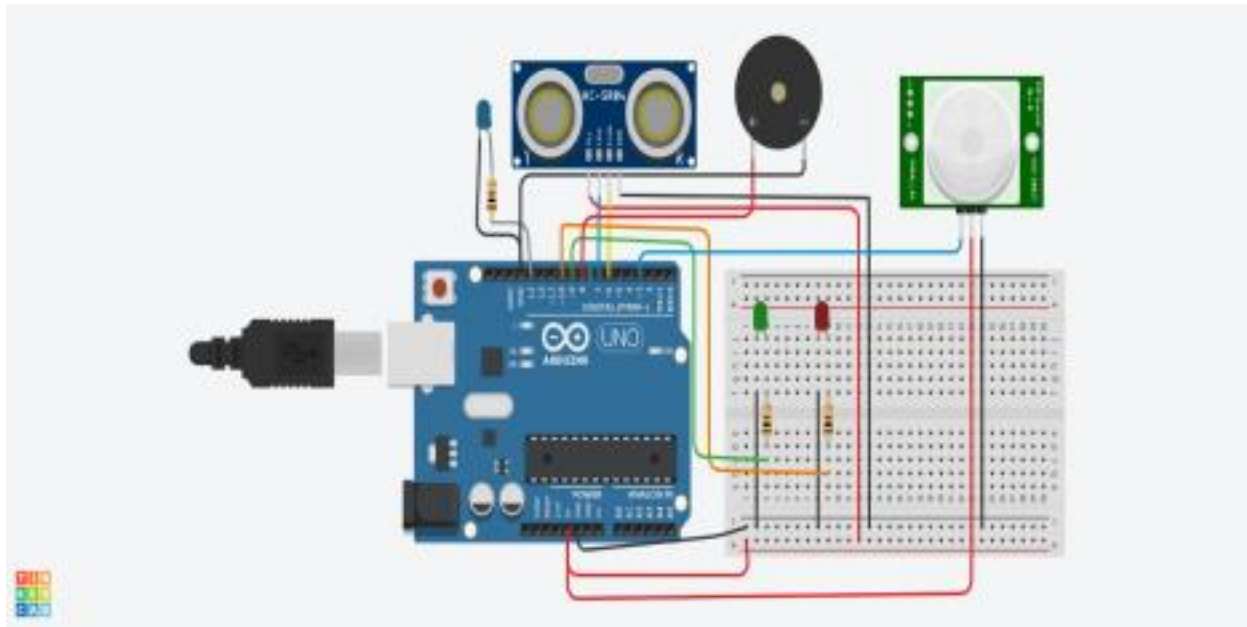


Assignment 01

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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 (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);  
}  
}
```