Assignment -1

Assignment Date	November 6 2022
Student Name	Lavanya V
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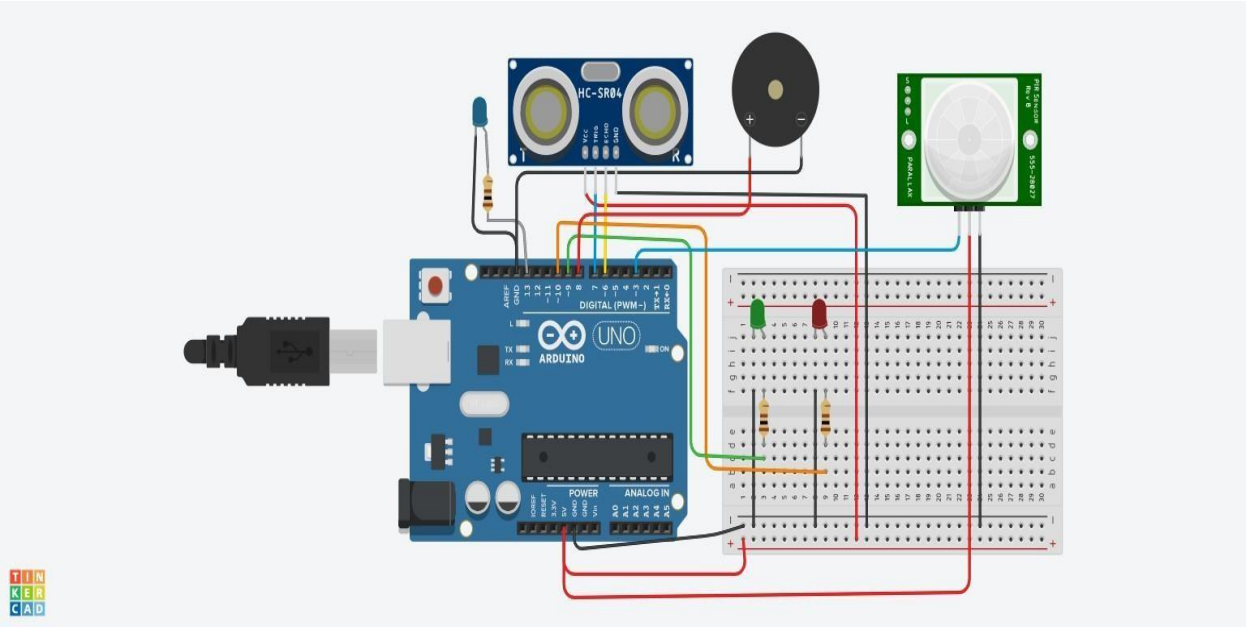
Maximum Mark	2 Mark




```
#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);
  }
}
```