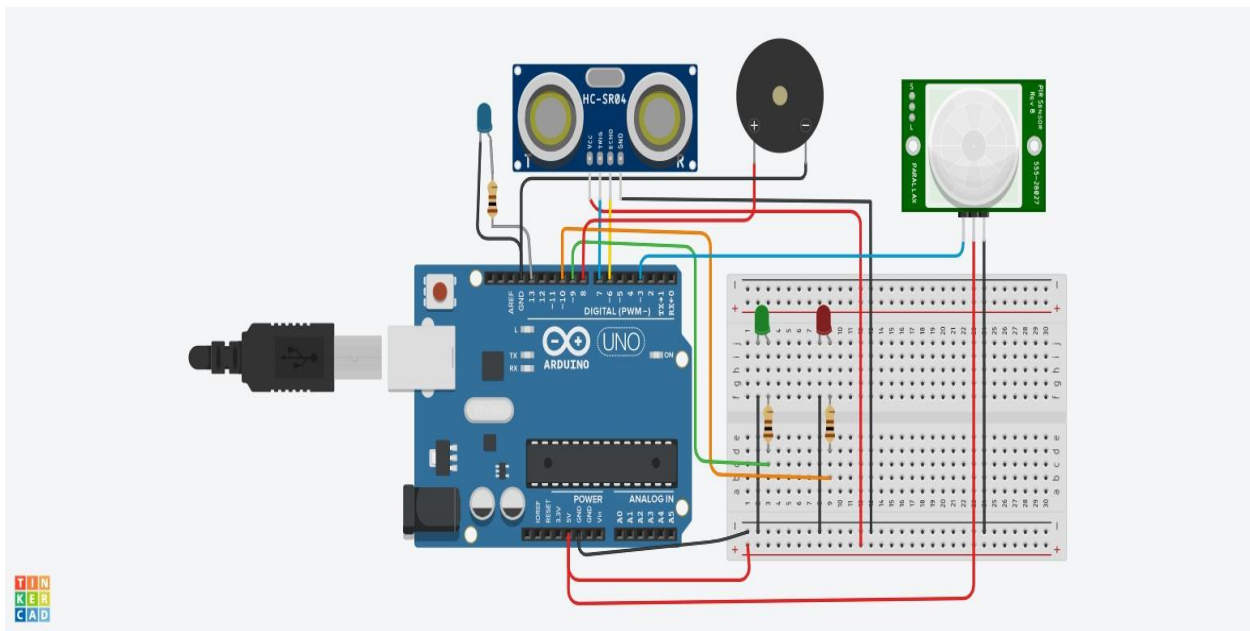


Assignment -1

| | |
|---------------------|-----------------|
| Assignment Date | November 4 2022 |
| Student Name | Priyanka M |
| Student Roll Number | 717819F142 |
| 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 (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);  
}  
}
```