



```

#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);  
}  
}
```