



```
#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");

    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);  
}  
}
```