



```
#define Trigpin 7

#define Echopin 8

#define low_led 9

#define high_led 10

float distance;

int duration;

int H = 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);  
}  
}
```