sketch_feb14a.ino

```
1    // defining pins for ultrasonic sensor
2    const int trigPin = 19;
3    const int echoPin = 18;
4    const int led = 17;
5
6    //defining variables duration and distance
7    long duration;
8    int distance;
9
10   void setup() {
11     // put your setup code here, to run once:
12   // intializing baud rate
13   Serial.begin(115200)
14   pinMode(trigPin, OUTPUT);
15   pinMode(led,OUTPUT);
16   pinMode(echoPin,INPUT);
17   }
18
19   void loop() {
20     // put your main code here, to run repeatedly:
21     digitalWrite(trigPin,LOW);
22     delayMicroseconds(2);
23     digitalWrite(trigPin,HIGH);
24     delay(10);
25     digitalWrite(trigPin,LOW);
26     duration= pulseIn(echoPin,HIGH);
27     distance = duration*(0.034 / 2.0);
28
29     if (distance<=15)  { digitalwrite(led,HIGH);}
30     else { digitalwrite(led,LOW);}
31
32     Serial.print("Distance");
33     Serial.println(distance);
34   }
35   |        I
```