```
int triggerPin=9;
int echoPin=10;
int redLed=3;
int yellowLed=5;
int greenLed=6;
float distance;

void setup() {
  pinMode(triggerPin,OUTPUT);
  pinMode(echoPin,INPUT);
  pinMode(redLed,OUTPUT);
  pinMode(yellowLed,OUTPUT);
  pinMode(greenLed,OUTPUT);
}

void loop() {
  digitalWrite(triggerPin,LOW);
  delayMicroseconds(2);
  digitalWrite(triggerPin,HIGH);
  delayMicroseconds(10);
  digitalWrite(triggerPin,HIGH);

  distance = ( pulseIn(echoPin,HIGH) /2 ) * 0.0343;
  if(distance<400 && distance>2){
    if(distance<=50){
      digitalWrite(redLed,HIGH);
      digitalWrite(yellowLed,LOW);
      digitalWrite(greenLed,LOW);
      delay(100);
    }
    else if(distance<=150){
      digitalWrite(redLed,LOW);
      digitalWrite(yellowLed,HIGH);
      digitalWrite(greenLed,LOW);
      delay(100);
    }
    else{
      digitalWrite(redLed,LOW);
      digitalWrite(yellowLed,LOW);
      digitalWrite(greenLed,HIGH);
      delay(100);
    }
  }
}
```