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Smart home in Tinkercad using 2+,Sensors,Led ,Buzzer in single code and circuit.
// C++ code
int val = 0;
long readUltrasonicDistance(int triggerPin, int echoPin)
{
 pinMode(triggerPin, OUTPUT); // Clear the trigger
 digitalWrite(triggerPin, LOW);
 delayMicroseconds(2);
// Sets the trigger pin to HIGH state for 10 microseconds
 digitalWrite(triggerPin, HIGH);
 delayMicroseconds(10);
 digitalWrite(triggerPin, LOW);
 pinMode(echoPin, INPUT);
// Reads the echo pin, and returns the sound wave travel time in microseconds
 return pulseIn(echoPin, HIGH);
}
void setup()
{
Serial.begin(9600);
 pinMode(8, OUTPUT);
 pinMode(9, OUTPUT);
 pinMode(10, OUTPUT);
}
void loop()
{
val = 0.01723 * readUltrasonicDistance(6, 5);
 Serial.println(val);
 if (val <= 50) {
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digitalWrite(8, HIGH);
} else {
  digitalWrite(8, LOW);
}
 if (val <= 75) {
  digitalWrite(9, HIGH);
 } else {
  digitalWrite(9, LOW);
}
 if (val <= 100) {
  digitalWrite(10, HIGH);
 } else {
  digitalWrite(10, LOW);
 }
 delay(10); // Delay a little bit to improve simulation performance
}
```

