AIM: **Design a system that automatically rings a bell for 2 ms whenever someone enters a temple, assuming only one person can enter at a time.**

**APPARATURS:PIR sensors,piezo,resistors,led,breadboard,aurdiuno uno,connecting wires.**

**CODE:** **void setup()**

**{**

**pinMode(2, INPUT);//Pin 2 as INPUT**

**pinMode(3, OUTPUT);//Pin 3 as OUTPUT**

**}**

**void loop()**

**{**

**if (digitalRead(2)== HIGH);**

**{**

**digitalWrite(3,HIGH);**

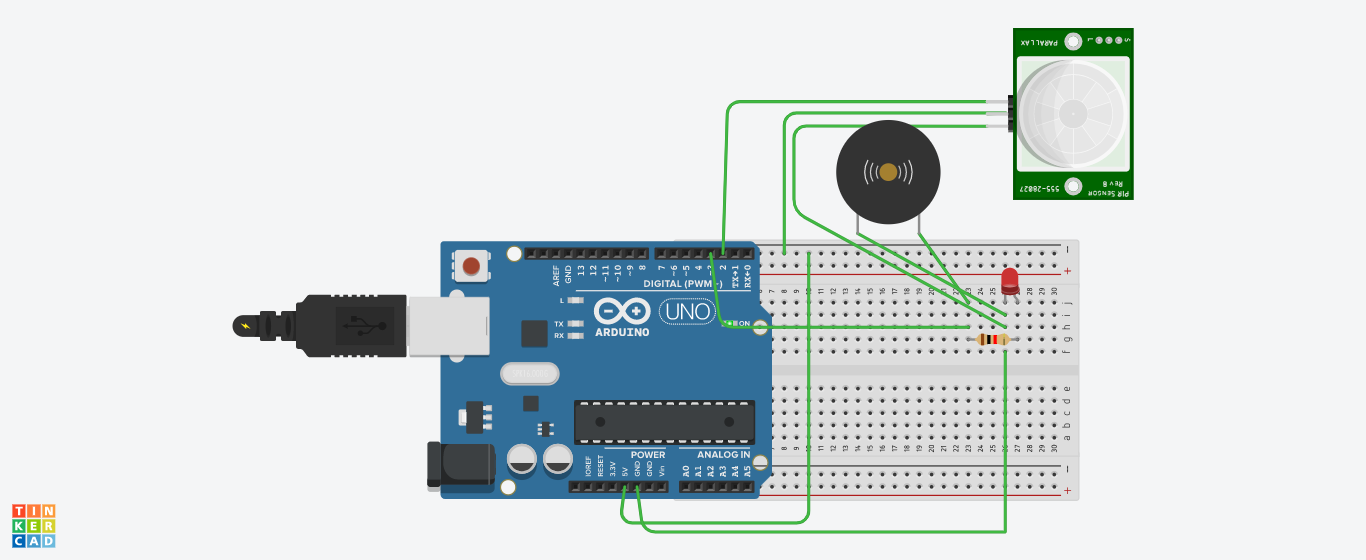
**delay(100);**

**digitalWrite(3, LOW);**

**delay(100);**

**}**

**}**

**DIAGRAM:** ****