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# SMART HOME

**SUBMITTED BY**

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**MOTION DETECTION USING IR SENSOR**

## CODE:

```
int pirsensor =0;

void setup()

{

    pinMode(2, INPUT);

    pinMode(12, OUTPUT);

    pinMode(13, OUTPUT);

}


void loop()

{

    pirsensor = digitalRead(2);

    if(pirsensor == HIGH)

    {

        //glow led

        digitalWrite(13,HIGH);

        // ring buzzer

        tone(12,500,500);

    }

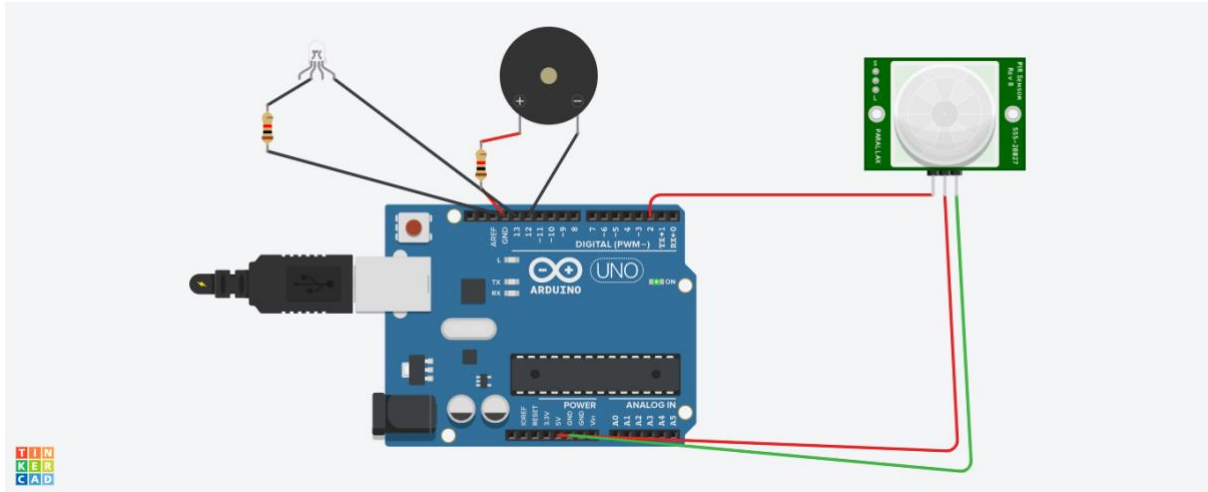
    digitalWrite(13,LOW);

}
```

## TINKERCAD LINK:

<https://www.tinkercad.com/things/4H8sulKoLhK>

## FIGURE:



**Whenever anyone comes in the path or range of IR sensor,** microcontroller detects the distance of object from the sensor and if the object is in the defined range it sends the high signal to buzzer and buzzer start beeping at the same time light is emitting.

