

Professional Readiness for
Innovation, Employability
And Entrepreneurship

SMART HOME

Submitted by

S.Thasneem

961819106057

B12-6A2E

MOTION DETECTION USING IR SENSOR

CODE

```
int pirsensor =0;

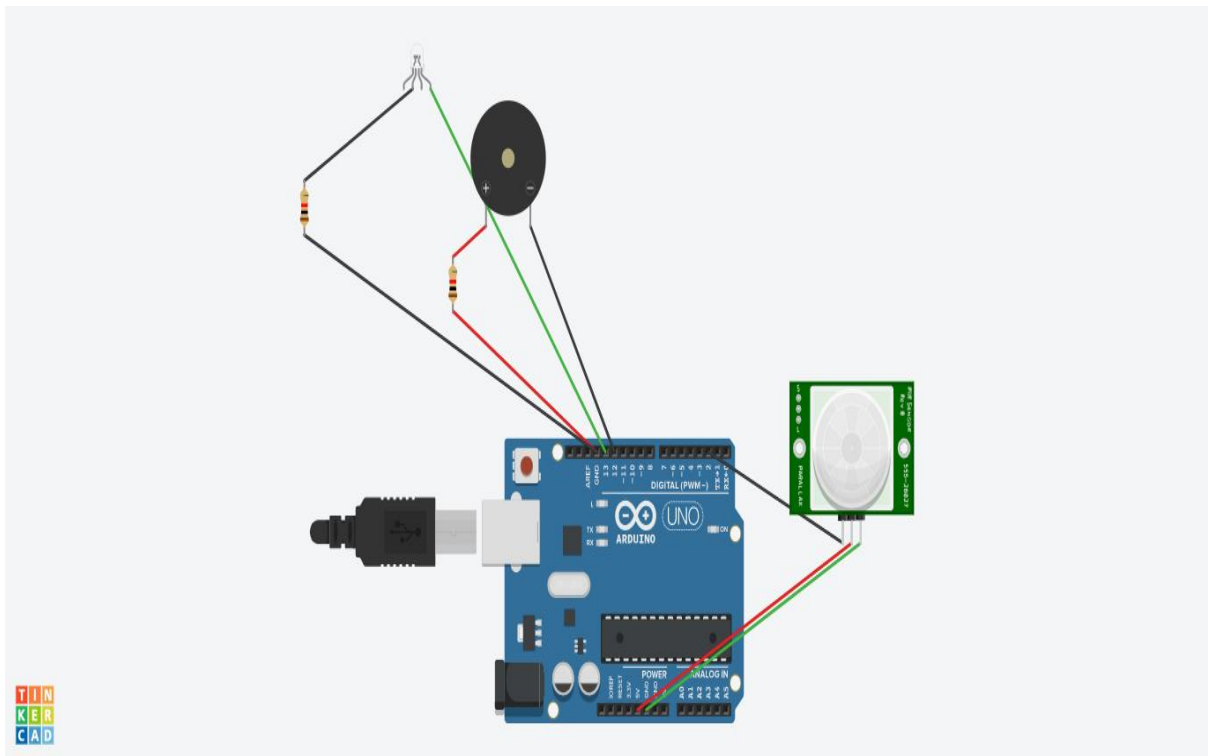
void setup()
{
  pinMode(2, INPUT);
  pinMode(12, OUTPUT);
  pinMode(13, OUTPUT);
}

void loop()
{
  pirsensor = digitalRead(2);
  if(pirsensor == HIGH)
  {
    //glow led
    digitalWrite(13,HIGH);
    // ring buzzer
    tone(12,500,500);
  }
  digitalWrite(13,LOW);
}
```

TINKER CARD LINK:

<https://www.tinkercad.com/things/8PR2V4KogPE>

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 starts beeping at the same time light is emitting.