

Professional Readiness Program for

Innovation,

Employability and

Entrepreneurship

SMART HOME

SUBMITTED BY

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GLOWING LIGHT USING PIR SENSOR

CODE:

```
// C++ code
//Blink-makes a single LED blink on and off
void setup()
{
  Serial.begin(9600);
  pinMode(4,INPUT);
  pinMode(13,OUTPUT);
}

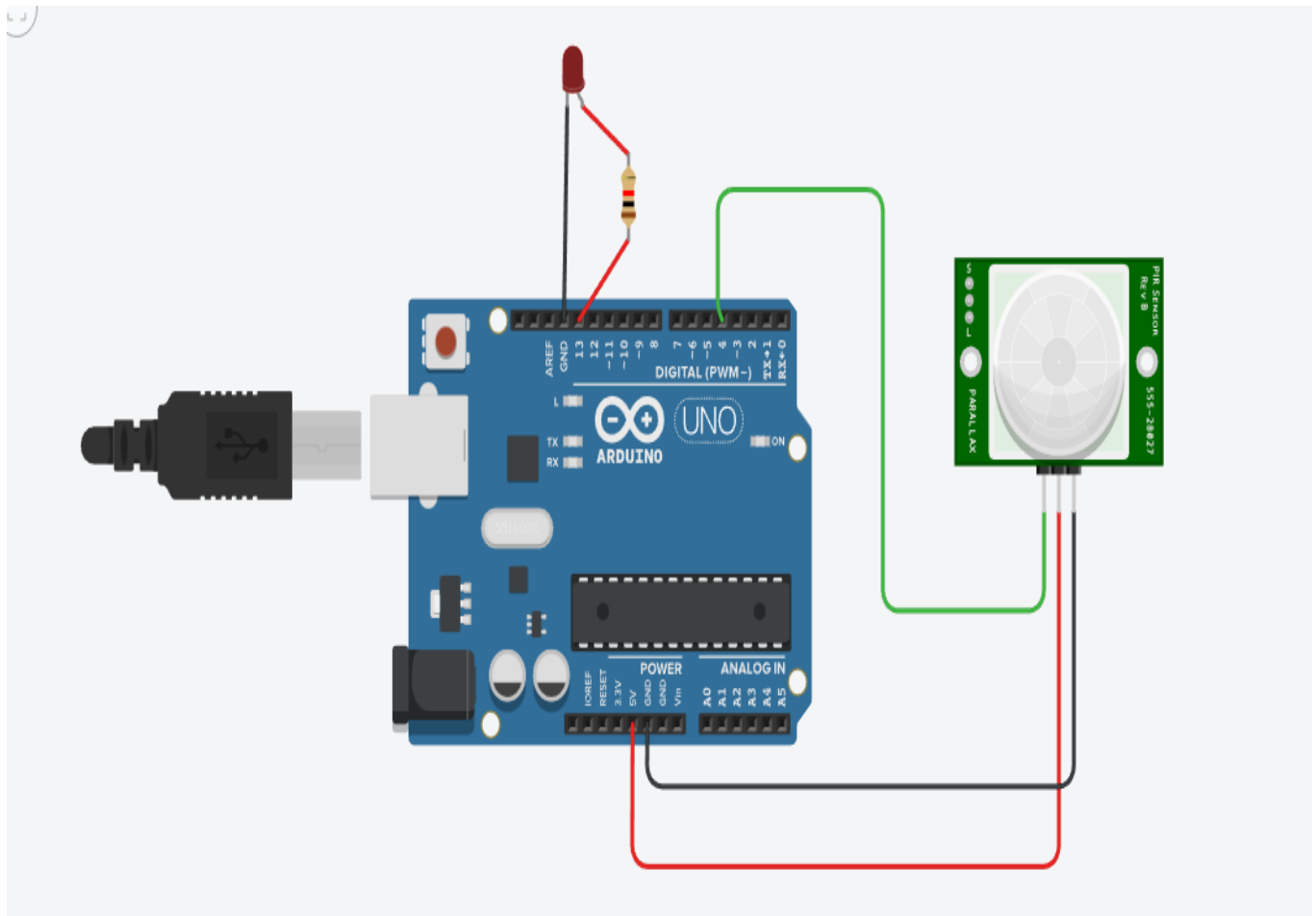
void loop()
{
  int p=digitalRead(4);
  Serial.println(p);
  if(p)
    digitalWrite(13,HIGH);
```

```
else  
    digitalWrite(13,LOW);  
    delay(1000);  
}
```

TINKERCAD LINK:

<https://www.tinkercad.com/things/cSUVqfqxQiW-glorious-leelo/editel?sharecode=bvNCefCPz0BSjw2trDRUJwRCi9qsh9rsL443ESpFXY0>

FIGURE:



Two components are connected to the Arduino. A PIR sensor is used to detect the motion of the sensor, and when the motion is detected, the LED starts to glow.