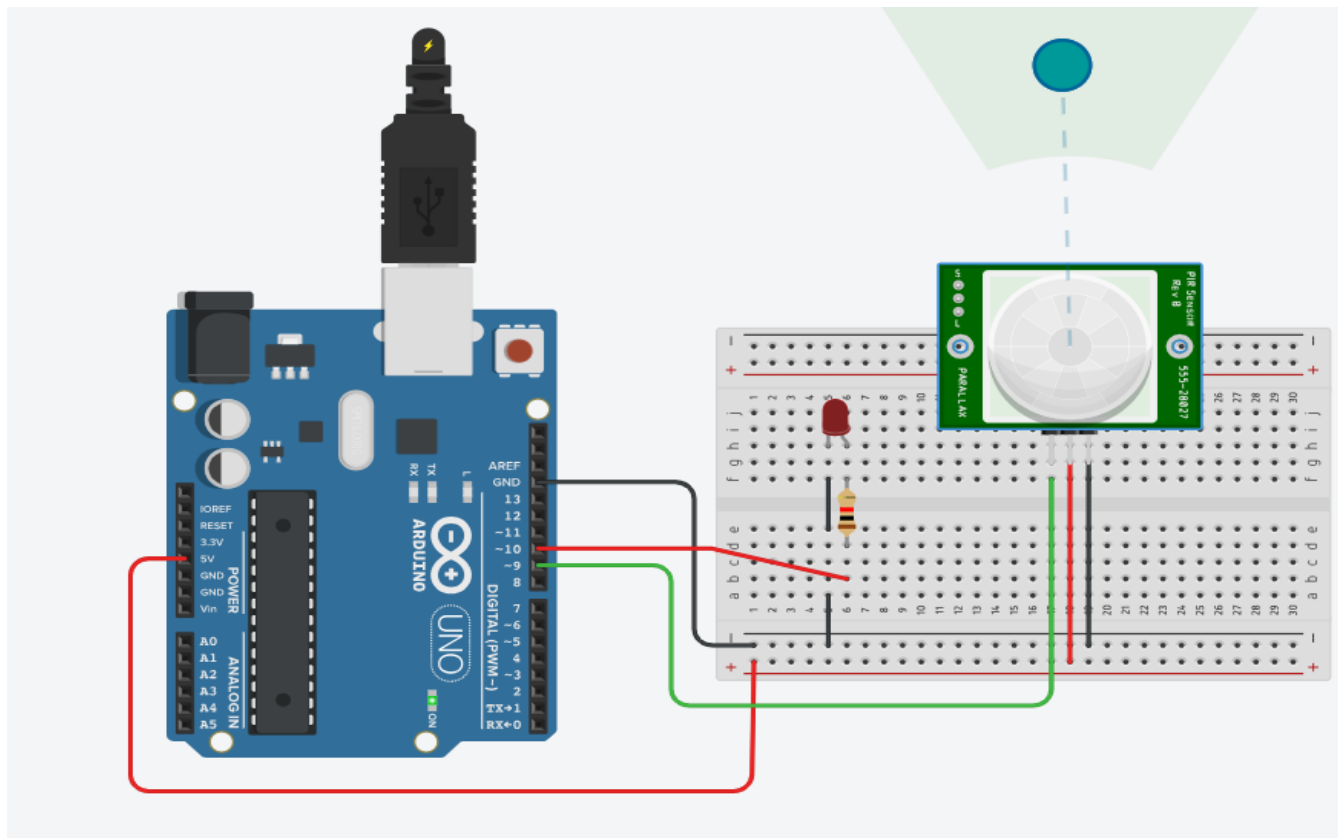## 9. PIR Sensor


```
void setup()
{
  pinMode(10, OUTPUT);
  pinMode(9, INPUT);
  Serial.begin(9600);
}

void loop()
{
  int i = digitalRead(9);
  if(i==1){
    digitalWrite(10,HIGH);
    Serial.println("Obstacle Detected!");
  }
  else{
```

```
    digitalWrite(10,LOW);

    Serial.println("Obstacle Not Detected!");

  }

  delay(1000);

}
```