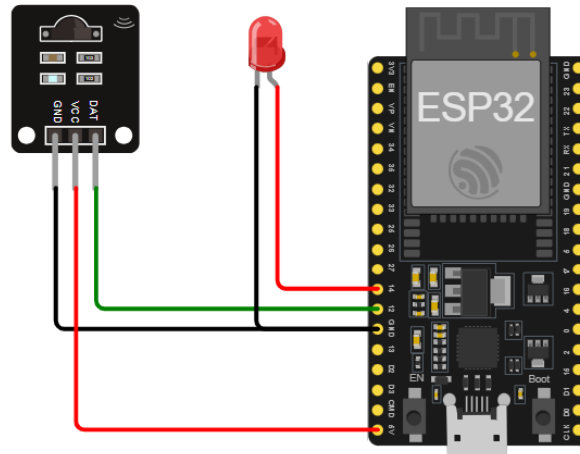# Develop and implement IR sensor interfacing with Esp32 NodeMCU

Arduino Code

```
int ledPin = 14;        // choose pin for the LED

int inputPin = 12;      // choose input pin (for Infrared sensor)

int val = 0;       // variable for reading the pin status

void setup() {

  pinMode(ledPin, OUTPUT);        // declare LED as output

  pinMode(inputPin, INPUT);        // declare Infrared sensor as input

}

void loop() {

  val = digitalRead(inputPin);      // read input value

  if (val == HIGH)  {

   // check if the input is HIGH

    digitalWrite(ledPin, LOW);       // turn LED OFF

  }

  else

  {

    digitalWrite(ledPin, HIGH);       // turn LED ON

  }

}
```