```
#include <ESP8266WiFi.h>
String apiKey = "PFFHC1B2IRN0GGQ0";// Your WRITE API KEY
const char *ssid = "kunal";      // Your mobile Hotspot Name
const char *pass = "12345678";    // Your Mobile Hotspot Password
const char* server = "api.thingspeak.com";
#define IRpin D4
WiFiClient client;
int value;
void setup()
{
Serial.begin(115200);
pinMode(IRpin, INPUT);
delay(1000);
Serial.println("Connecting to ");
Serial.println(ssid);
WiFi.begin(ssid, pass);
while (WiFi.status() != WL_CONNECTED)
{
delay(2000);
Serial.print(".");
}
Serial.println("   ");
Serial.println("WiFi connected");
}
void loop(){
 value = digitalRead(IRpin);
Serial.println(value);
  if(value==0)
  {
  Serial.print("object detected");
  }
  else
  {
  Serial.print("no object detected");
  }
if (client.connect(server,80))
{
String postStr = apiKey;
 postStr +="&field1=";
 postStr += String(value);
 postStr += "\r\n\r\n";

client.print("POST /update HTTP/1.1\n");
  client.print("Host: api.thingspeak.com\n");
  client.print("Connection: close\n");
  client.print("X-THINGSPEAKAPIKEY: "+apiKey+"\n");
  client.print("Content-Type: application/x-www-form-urlencoded\n");
  client.print("Content-Length: ");
  client.print(postStr.length());
  client.print("\n\n");
```
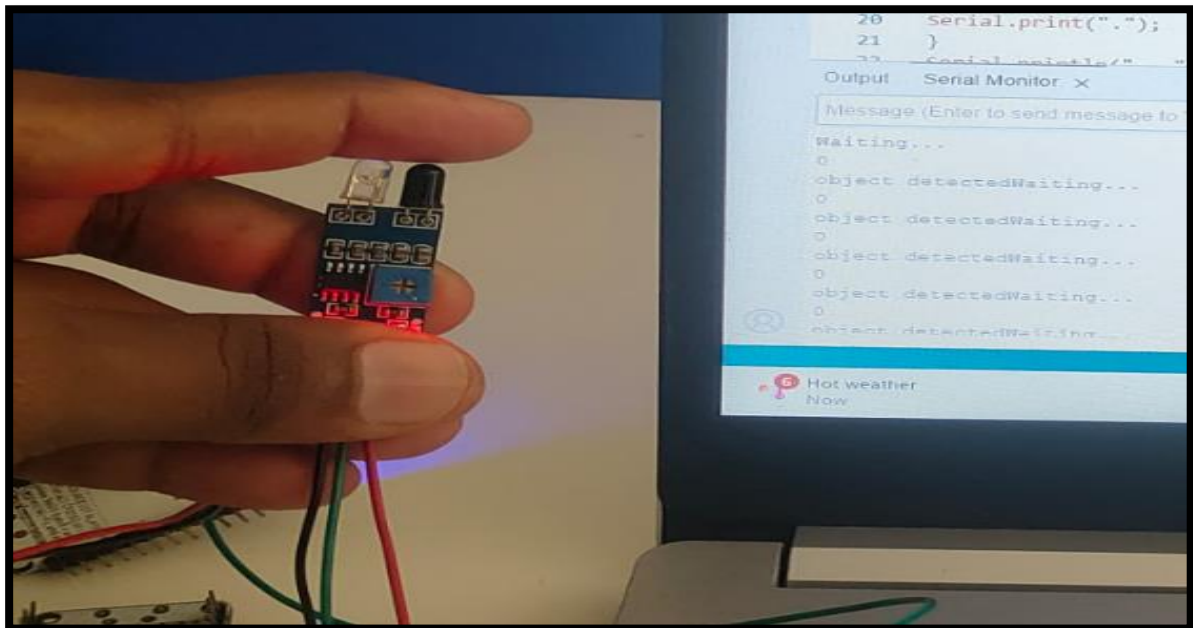
```
    client.print(postStr);
    client.stop();

Serial.println("Waiting...");

delay(1000);
    }
    }
```

Output:- Serial Monitor

Output:-: Thingspeak