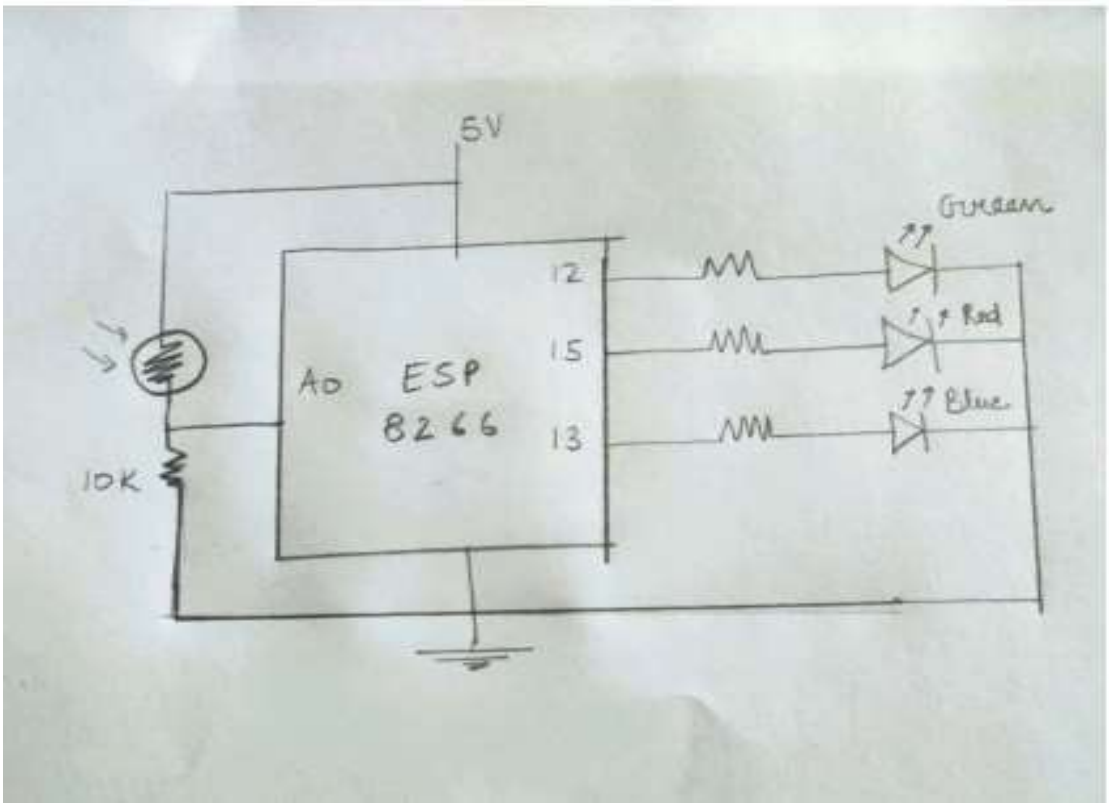
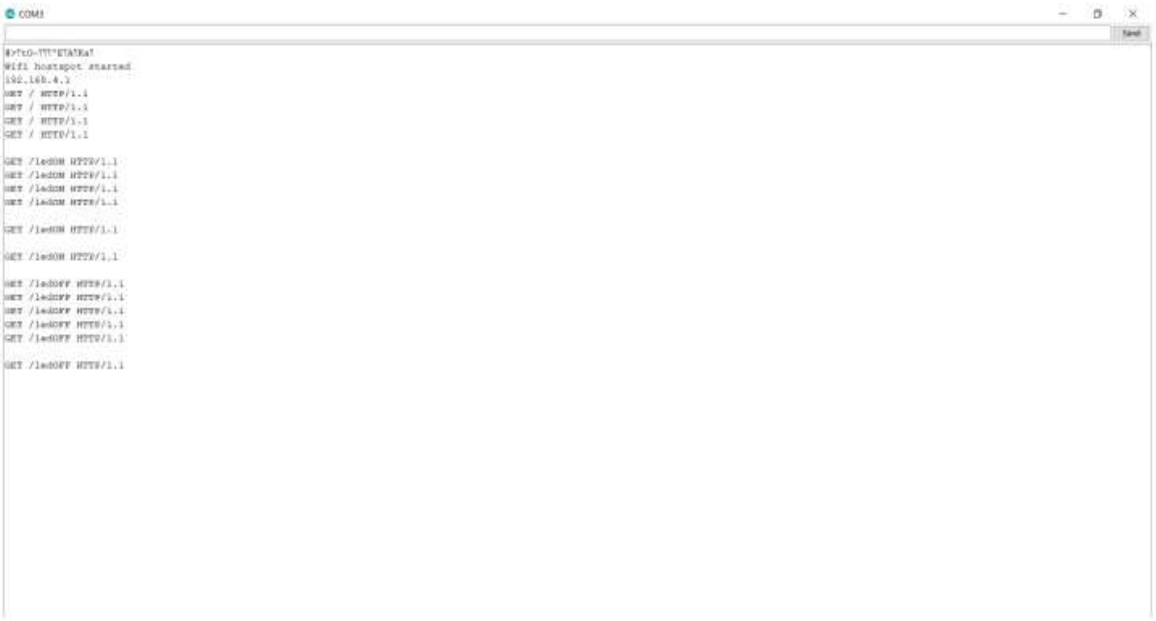
```
/*

Experiment No. :  14

Statement      : To make ESP8266 Witty Cloud Development Board as an access point (AP)/hotspot.To make ESP8266 Witty Cloud Development Board as an access point (AP)/hotspot.

Date of Exp.   :  xx/xx/xxxx

Author         :  Reva Dhiran (A-10)

*/
```

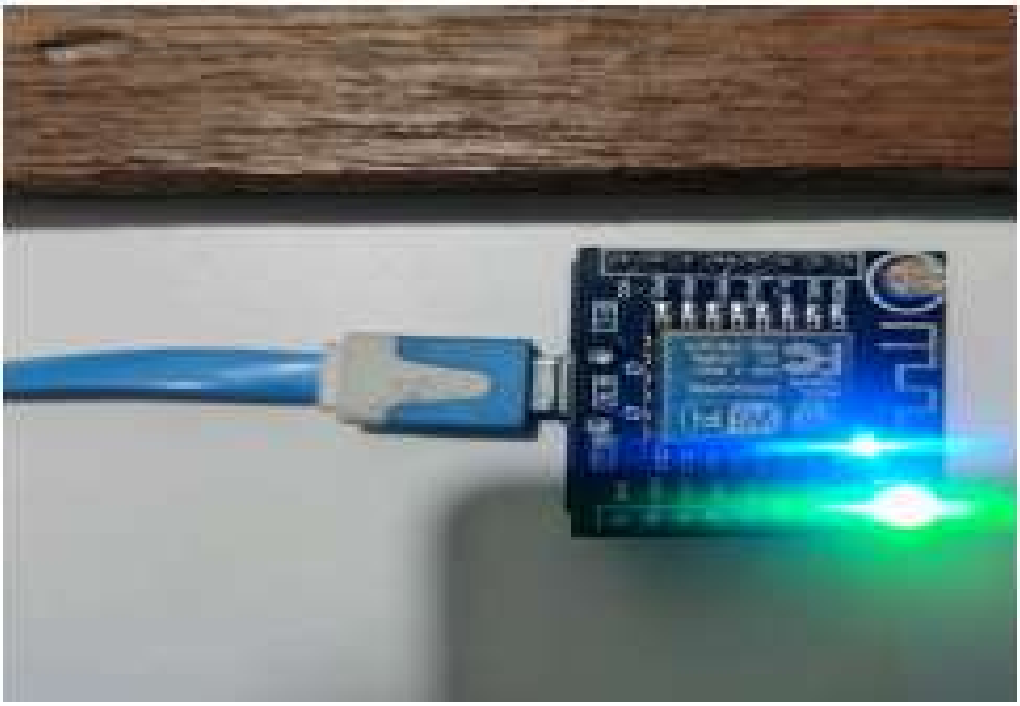
Code:

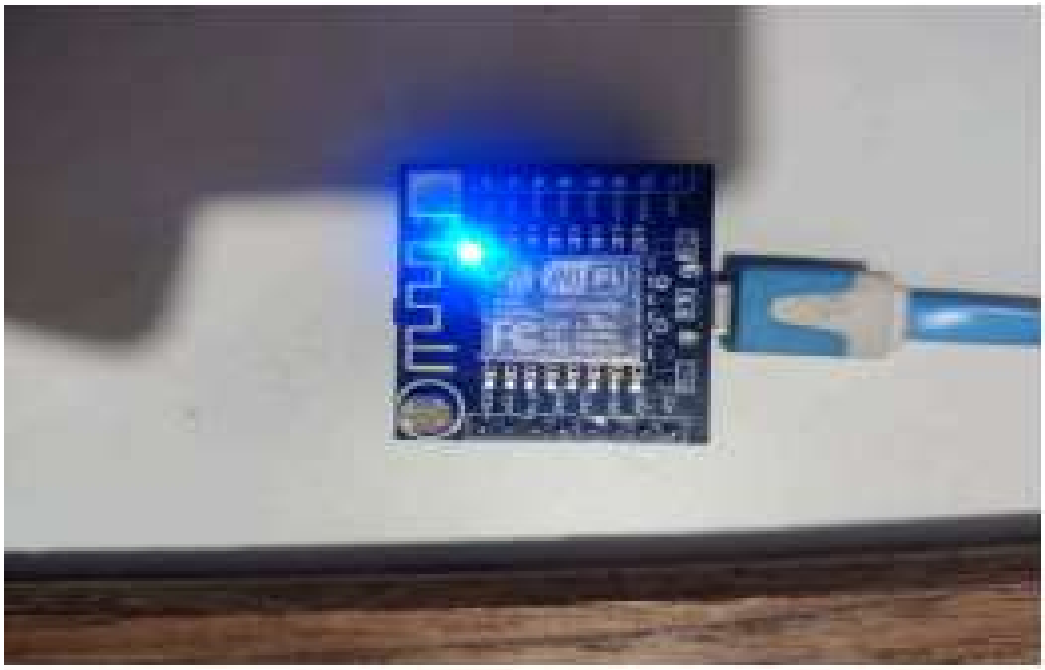
```
#include <ESP8266WiFi.h>

#define led 2

#define red 15

#define green 12

#define blue 13

#define ldr A0

WiFiClient client;

WiFiServer server(80);


void setup() {

// put your setup code here, to run once:

pinMode(led, OUTPUT);

pinMode(red, OUTPUT);

pinMode(blue, OUTPUT);

pinMode(green, OUTPUT);

Serial.begin(9600);
```

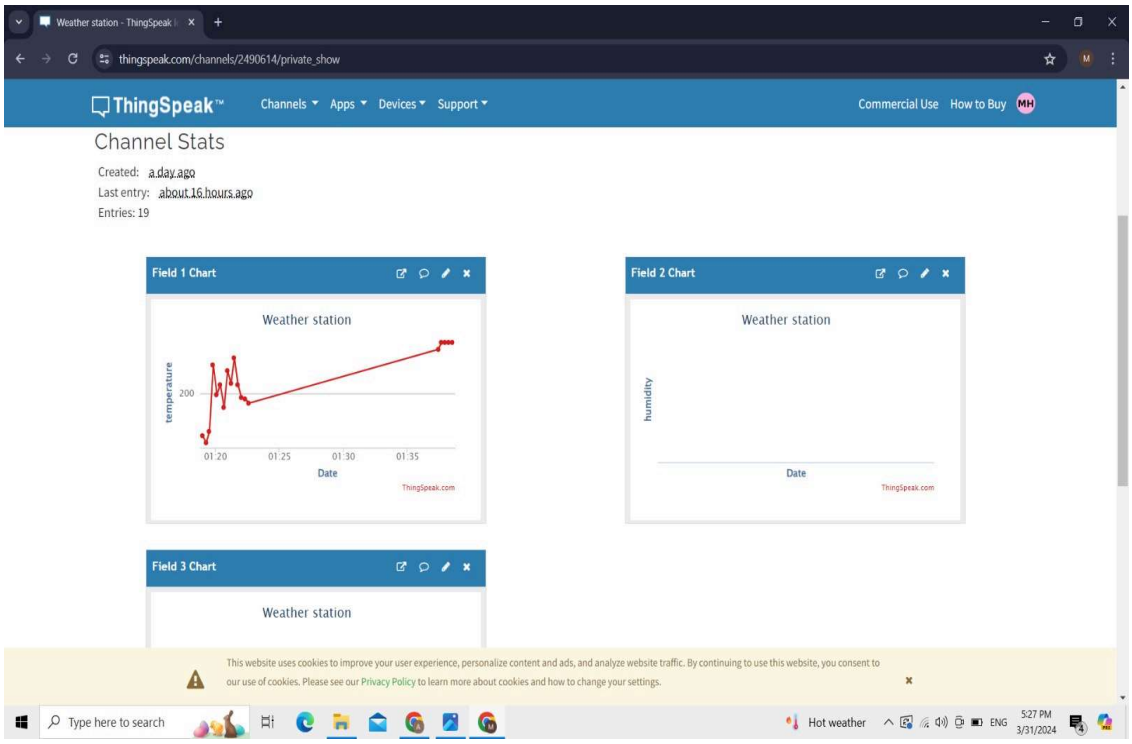
```
WiFi.softAP("esp","esp@8266");
Serial.println();
Serial.println("Wifi hotspot started");
Serial.println(WiFi.softAPIP());
server.begin();
}
void loop() {
// put your main code here, to run repeatedly:
client = server.available();
if(client)
{
String request = client.readStringUntil('\n');
Serial.println(request); request.trim();
if (request =="GET /ledON HTTP/1.1") {
digitalWrite(green,HIGH);
}
if (request =="GET /ledOFF HTTP/1.1") {
 digitalWrite(green,LOW);
}
}
}
```


5V
Green
12
15
13
A0
ESP
8266
Red
Blue
10K


COM3
Send
Wifi hostspot started
192.168.4.1
GET / HTTP/1.1
GET / HTTP/1.1
GET / HTTP/1.1
GET / HTTP/1.1
GET /ledON HTTP/1.1
GET /ledON HTTP/1.1
GET /ledON HTTP/1.1
GET /ledON HTTP/1.1
GET /ledON HTTP/1.1
GET /ledON HTTP/1.1
GET /ledOFF HTTP/1.1
GET /ledOFF HTTP/1.1
GET /ledOFF HTTP/1.1
GET /ledOFF HTTP/1.1
GET /ledOFF HTTP/1.1
GET /ledOFF HTTP/1.1






Weather station - ThingSpeak
thingspeak.com/channels/2490614/private_show
ThingSpeak™
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Devices
Support
Commercial Use
How to Buy
MH
Channel Stats
Created: a day ago
Last entry: about 16 hours ago
Entries: 19
Field 1 Chart
Weather station
temperature
200
01:20
01:25
01:30
01:35
Date
ThingSpeak.com
Field 2 Chart
Weather station
humidity
Date
ThingSpeak.com
Field 3 Chart
Weather station
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