

```
/*
```

```
Experiment No. : 13
```

```
Statement : To use ESP8266 Witty Cloud Development Board  
as a web server.
```

```
Date of Exp. : xx/xx/xxxx
```

```
Author : Aabha S. Nimje(A-33)
```

```
*/
```

```
#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(green,OUTPUT);
```

```
pinMode(blue,OUTPUT);
```

```
Serial.begin(9600);
```

```

WiFi.begin("Aabha's M51","aabha3004");

while(WiFi.status() != WL_CONNECTED) {

  Serial.print('.');

  delay(200);

}

Serial.println();

Serial.println("Witty Board Connected!");

Serial.println(WiFi.localIP());

server.begin();

}


void loop() {

  client =server.available();

  if(client==1){

    String request=client.readStringUntil('\n');

    Serial.println(request);

    request.trim();

    if(request=="GET /ledON HTTP/1.1")

      digitalWrite(green,HIGH);

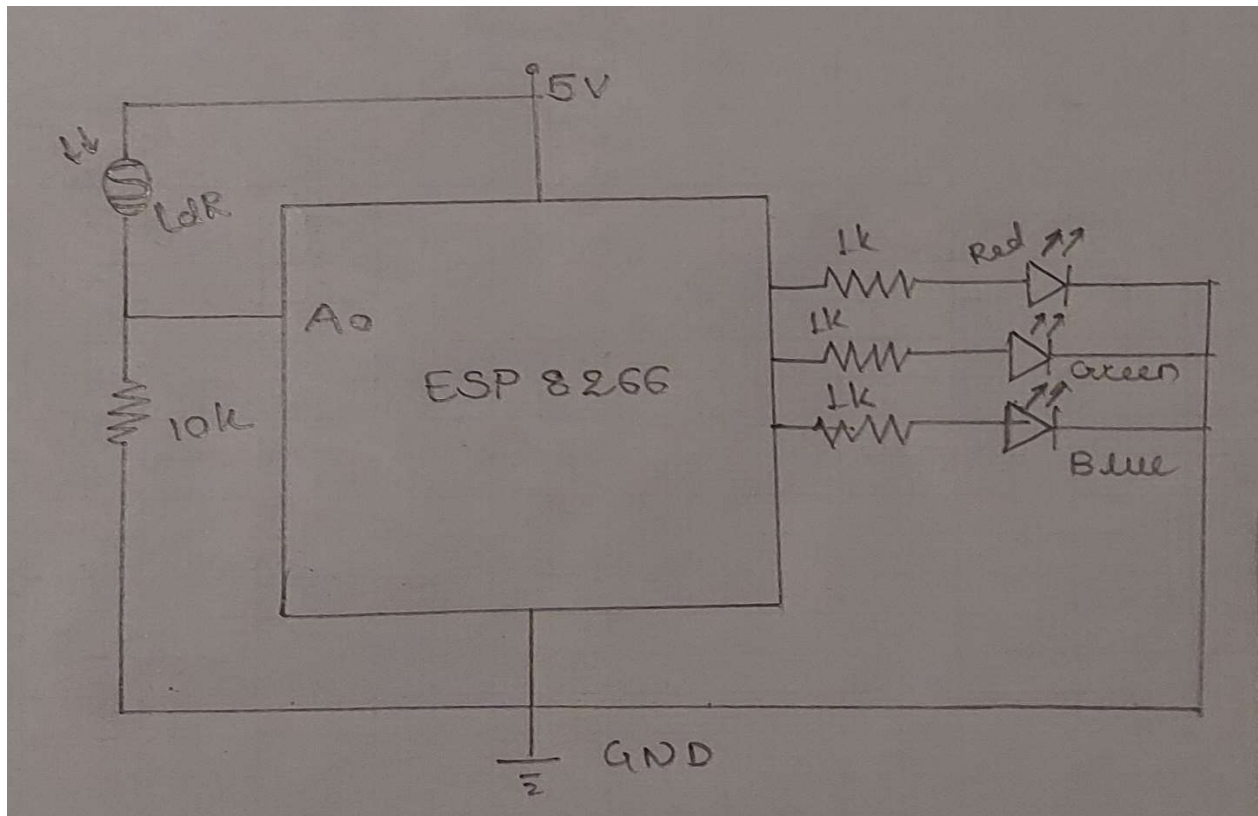
    if(request=="GET /LedOFF HTTP/1.1")

      digitalWrite(green,LOW);

  }

}

```



Output Serial Monitor x

Message (Enter to send message to 'NodeMCU 1.0 (ESP-12E Module)' on 'COM6')

.....

Witty Board Connected!

192.168.254.51

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