

/*

Experiment No. : 13

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

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*/

Code:

```
#include <ESP8266WiFi.h> //library file for esp8266
```

```
// pins for witty board
```

```
#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.begin("OPPO A5 2020", "12345678");

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

Serial.print('.');

delay(200);

}

Serial.println();

Serial.println("Witty board connected");

Serial.println(WiFi.localIP());

server.begin();

}

void loop() {

// put your main code here, to run repeatedly:

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);

}

}

```



