

```
/*
```

```
Experiment No. : 13
```

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

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

```
Author : Ayush Deo (A-26)
```

```
*/
```

```
#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("ayush","ayush@72");

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(red,HIGH);

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

digitalWrite(red,LOW);

}

}

```





