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/*
Experiment No. : 13
Statement      : To use ESP8266 Witty Cloud Development Board
as a web server.

Date of Exp.   : xx/xx/yyyy
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*/
```

```
#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("Jain","jainansh1");

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);
    }
}

```





