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Experiment No. : 13

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

Date of Exp. : xx/xx/xxxx

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#include <ESP8266WiFi.h>

#define led 2 //debug LED,tiny blue

#define red 15 //RGB LED red

#define green 12 //RGB LED green

#define blue 13 //RGB LED blue

#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.softAP("ESP8266","Sayy12!");

Serial.println();

Serial.println("Witty board started");

Serial.println(WiFi.softAPIP());

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);

}

}





