#include <ESP8266WiFi.h>

const char\* ssid = "comfiny";

const char\* password = "welcome2018";

int relay\_pin = 14;

WiFiServer server(80);

void setup() {

Serial.begin(115200);

pinMode(relay\_pin, OUTPUT);

digitalWrite(relay\_pin, HIGH);

Serial.println("Connecting to the WiFi Network...");

WiFi.begin(ssid, password);

while (WiFi.status() != WL\_CONNECTED) {

delay(500);

Serial.print("\*");

}

Serial.println("\nSuccessfully connected to: " + String(ssid));

Serial.println("IP Address: " + WiFi.localIP().toString());

server.begin();

Serial.println("Server is Active. Open above IP in browser.");

}

void loop() {

WiFiClient client = server.available();

if (!client) return;

while (!client.available()) {

delay(1);

}

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

client.flush();

int value = HIGH;

if (request.indexOf("/LAMP=ON") != -1) {

digitalWrite(relay\_pin, LOW);

value = LOW;

}

if (request.indexOf("/LAMP=OFF") != -1) {

digitalWrite(relay\_pin, HIGH); // Relay OFF

value = HIGH;

}

client.println("HTTP/1.1 200 OK");

client.println("Content-Type: text/html");

client.println();

client.println("<!DOCTYPE HTML><html>");

client.println("<head><style>body { background-color: #B2D1D5; font-family: Arial; }</style></head>");

client.println("<body><center>");

client.println("<h1>Table Lamp is now</h1>");

if (value == LOW) {

client.println("<h1><b>ON</b></h1>");

} else {

client.println("<h1><b>OFF</b></h1>");

}

client.println("<br><a href=\"/LAMP=ON\"><button>Switch ON</button></a>");

client.println("<br><br><a href=\"/LAMP=OFF\"><button>Switch OFF</button></a>");

client.println("</center></body></html>");

}