#include "ESP8266WiFi.h"

**void** setup() {

  Serial.begin(115200);

**int** numberOfNetworks = WiFi.scanNetworks();

**for**(**int** i =0; i<numberOfNetworks; i++){

      Serial.print("Network name: ");

      Serial.println(WiFi.SSID(i));

      Serial.print("Signal strength: ");

      Serial.println(WiFi.RSSI(i));

      Serial.println("-----------------------");

  }

}

**void** loop() {}

another one for wifi

#include <ESP8266WiFi.h>

//=======================================================================

// SETUP

//=======================================================================

void setup() {

Serial.begin(115200);

Serial.println(""); //Remove garbage

// Set WiFi to station mode and disconnect from an AP if it was previously connected

WiFi.mode(WIFI\_STA);

WiFi.disconnect(); //ESP has tendency to store old SSID and PASSword and tries to connect

delay(100);

Serial.println("WiFi Netwoek Scan Started");

}

//=======================================================================

// LOOP

//=======================================================================

void loop() {

// WiFi.scanNetworks will return the number of networks found

int n = WiFi.scanNetworks();

Serial.println("Scan done");

if (n == 0)

Serial.println("No Networks Found");

else

{

Serial.print(n);

Serial.println(" Networks found");

for (int i = 0; i < n; ++i)

{

// Print SSID and RSSI for each network found

Serial.print(i + 1); //Sr. No

Serial.print(": ");

Serial.print(WiFi.SSID(i)); //SSID

Serial.print(" (");

Serial.print(WiFi.RSSI(i)); //Signal Strength

Serial.print(") MAC:");

Serial.print(WiFi.BSSIDstr(i));

Serial.println((WiFi.encryptionType(i) == ENC\_TYPE\_NONE)?" Unsecured":" Secured");

delay(10);

}

}

Serial.println("");

// Wait a bit before starting New scanning again

delay(5000);

}