SoftwareSerial esp8266(8,9);

String SID = "tutorASUS";

String PWD = "123456789";

void setup() {

Serial.begin(9600);

esp8266.begin(115200);

wifi\_init();

}

void loop()

{

int Val = int(random(0,1023));

}

void wifi\_init(){

sendCommand("AT+RST",2000);

sendCommand("AT+CWMODE=1",1000);

sendCommand("AT+CWJAP=\""+SID+"\",\""+PWD+"\"",3000);

sendCommand("AT+CIPMUX=0",1000);

}

void sendCommand(String command, const int timeout)

{

String response = "";

Serial.println('>'+command);

esp8266.println(command);

long int time = millis();

while( (time+timeout) > millis())

{

while(esp8266.available())

{

response = esp8266.readString();

}

}

Serial.println(response);

}