#include<ESP8266WiFi.h>

WiFiClient iotclient; //globally declaring client

#include "ThingSpeak.h"//including things speak

#define led 13

#define ldr A0

int level;

int threshold=200;

void setup()

{

Serial.begin(9600);

pinMode(led,OUTPUT);

pinMode(ldr,INPUT);

ThingSpeak.begin(iotclient);

WiFi.mode(WIFI\_STA);

WiFi.begin("Hit Girl!","Amalu@1998");

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

{

delay(100);

}

Serial.print(WiFi.localIP());

}

void loop()

{

int a;

int level;

level=analogRead(ldr);

Serial.println(level);

if(level<threshold)

{

digitalWrite(led,HIGH);

}

else

{

digitalWrite(led,LOW);

}

ThingSpeak.writeField(370050,2,level,"39RTG1MQTGGST9BJ");// writes 'level' to thingspeak

Serial.println(level);

a= digitalRead(led);

ThingSpeak.writeField( 371221,1,a,"D3M1K8A23YY6MF6T");

Serial.println(a);

delay(20000);//for free users there will be a a delay of 20 sec ie, 20\*1000 millisec..ie why we give delay of 20000 sec

}