```
#include <ESP8266WiFi.h>
#include "ThingSpeak.h"
#include
<Servo.h>
#include <LiquidCrystal.h>
const int rs = D0, en = D1, d4 = D2, d5 = D3,
d6 = D4, d7 = D5;
LiquidCrystal lcd(rs, en, d4, d5, d6, d7);
Servo Servo1;
int servoPin =
D6;

const char* ssid = "project";    // your network SSID (name)
const char*
password = "12345678";    // your network password

WiFiClient  client;

unsigned long
myChannelNumber = 2117963;
const char * myWriteAPIKey = "L4ICARE3DROFMNBH";
unsigned
long lastTime = 0;
unsigned long timerDelay = 30000;


void setup()

{


WiFi.mode(WIFI_STA);
  ThingSpeak.begin(client);
  Serial.begin(9600);

lcd.begin(16,2);
     lcd.setCursor(0,0);
    lcd.print("SPACE X");

delay(2000);
pinMode(D7, OUTPUT);
pinMode(A0, INPUT);
 Servo1.attach(servoPin);

}


void
loop()
{


if(WiFi.status() != WL_CONNECTED){
      Serial.print("Attempting to
connect");
      while(WiFi.status() != WL_CONNECTED){
        WiFi.begin(ssid, password);

        delay(5000);
      }
      Serial.println("\nConnected.");

}

Servo1.write(0);


float t = analogRead(A0);
delay(100);
t = t * (5.0 /
1023.0);
delay(100);
t=t*100;
delay(100);
```

```arduino
lcd.clear();
lcd.setCursor(0,0);
lcd.print("TE
MP:");
lcd.print(t);
delay(1500);


if(t>110)
{
lcd.clear();
lcd.setCursor(0,0);
lcd.pr
int("TEMP LEVEL HIGH");
digitalWrite(D7,HIGH);
Servo1.write(180);
delay(1500);



}

else
{
digitalWrite(D7,LOW);
Servo1.write(0);

}



    int x =
ThingSpeak.writeField(myChannelNumber, 1, t, myWriteAPIKey);


}
```