

Build Predictive Algorithms

MATLAB offers thousands of robust and well-tested algorithms for statistics, machine learning, nonlinear optimization, system identification, image and video processing, signal processing, and control system design to use out-of-box or as a starting point in your loT algorithm development. Use them out-of-box or as a starting point in your loT algorithm development.

Develop Smart Embedded Devices

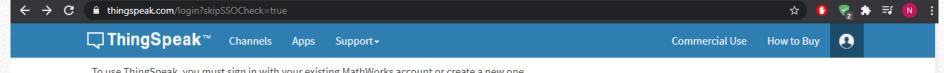
Simulink supports a variety of hardware platforms for prototyping and building IoT systems. You can develop algorithms in Simulink and then deploy them on your embedded hardware using HDL and C code generation. Deploying algorithms on the smart device reduces the amount of processing required on the IoT

Deploy Analytics in the Cloud

With MATLAB and Simulink, you can use a single executable design – and deploy to cloud, edge, or embedded systems as needed. This allows you to perform trade-off studies and explore what needs to run where – leveraging the same algorithm or model. You can automatically generate code or software



THINKSPEAK - Kayıt

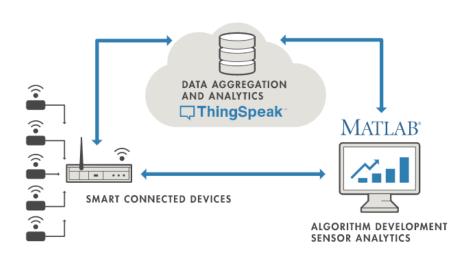


To use ThingSpeak, you must sign in with your existing MathWorks account or create a new one.

Non-commercial users may use ThingSpeak for free. Free accounts offer limits on certain functionality. Commercial users are eligible for a time-limited free evaluation. To get full access to the MATLAB analysis features on ThingSeak, log in to ThingSpeak using the email address associated with your university or organization.

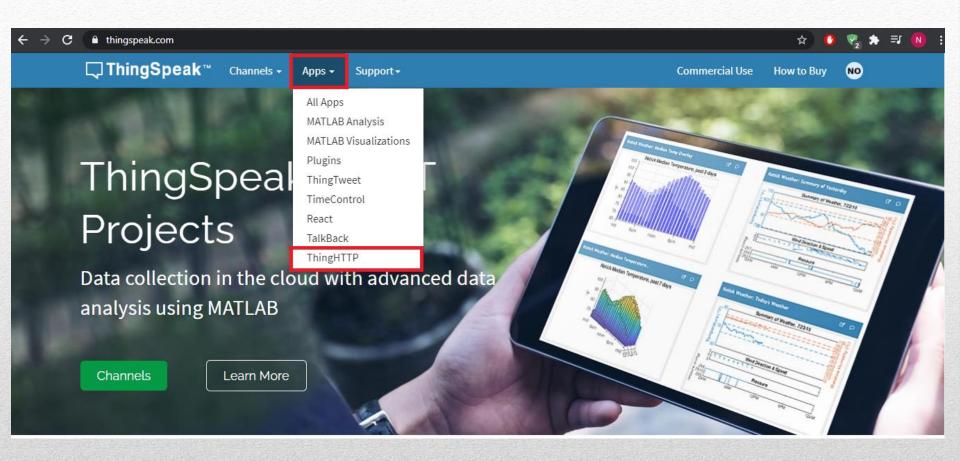
To send data faster to ThingSpeak or to send more data from more devices, consider the paid license options for commercial, academic, home and student usage.





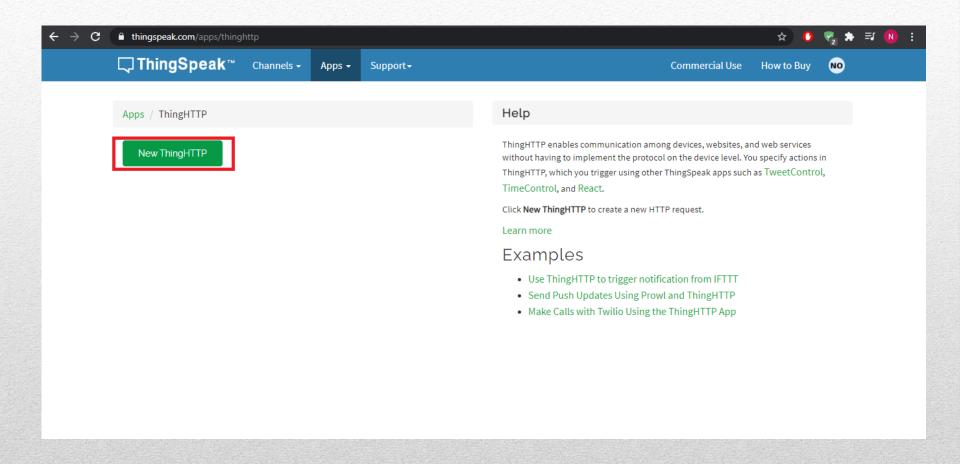


THINKSPEAK - Kayıt



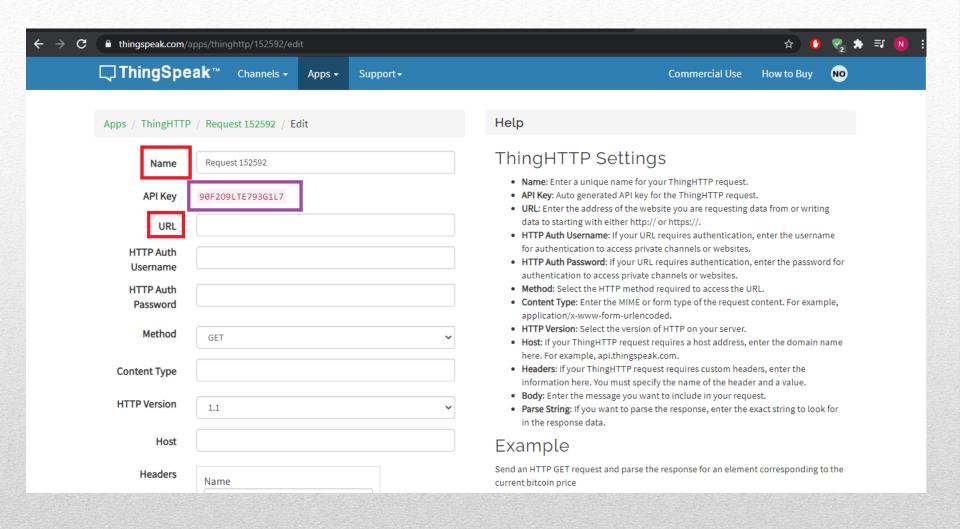


THINKSPEAK-HTTP



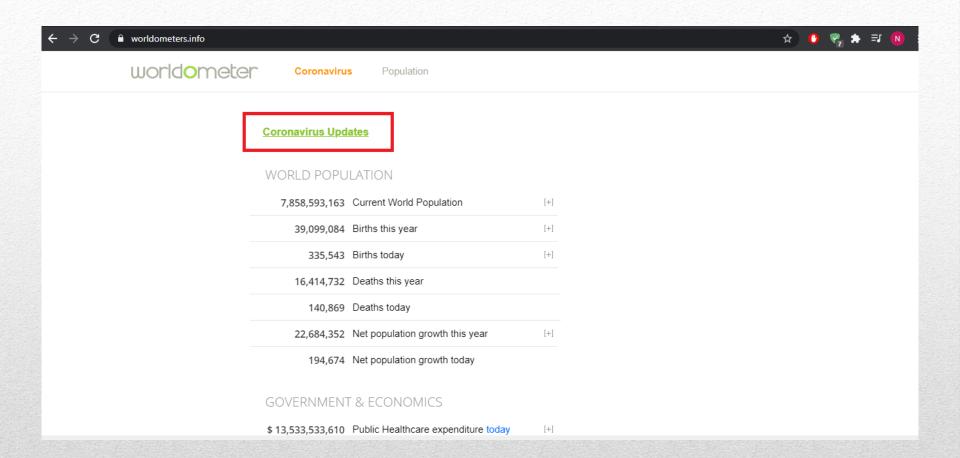


THINKSPEAK - HTTP





THINKSPEAK - HTTP









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	Rep	ort coronavirus c	ases										
	No	ow Yesterday	2 Days Ago	Colu	ımns ▼		Search:						
	Al	I Europe	North America	Asia	South Ameri	ica Africa	Oceania						
	#	Country, Other 🎝	Total Cases ↓₹	New Cases ↓↑	Total Deaths ↓↑	New Deaths ↓↑	Total Recovered 🎼	Active Cases 🕸	Serious, Critical	Tot Cases/ 1M pop 👫	Deaths/ 1M pop 🕼	Total Tests 👫	Tests/ 1M pop 🕸
		World	137,004,803	+358,651	2,954,196	+4,725	110,163,141	23,887,466	103,876	17,576	379.0		
	1	USA	31,931,199	+12,598	575,897	+68	24,483,384	6,871,918	9,172	96,031	1,732	419,613,237	1,261,953
	2	India	13,671,851	+146,472	170,956	+747	12,245,432	1,255,463	8,944	9,832	123	257,806,986	185,402
	3	<u>Brazil</u>	13,482,543		353,293		11,880,803	1,248,447	8,318	63,081	1,653	28,600,000	133,812
	4	<u>France</u>	5,067,216	+8,536	99,135	+385	310,934	4,657,147	5,916	77,497	1,516	70,140,847	1,072,721
	5	Russia	4,649,710	+8,320	103,263	+277	4,272,165	274,282	2,300	31,851	707	123,900,000	848,728
	6	<u>UK</u>	4,373,343	+3,568	127,100	+13	3,981,812	264,431	406	64,160	1,865	136,821,861	2,007,270
	7	<u>Turkey</u>	3,849,011		33,939		3,331,411	483,661	2,824	45,260	399	41,591,854	489,069
	8	<u>ltaly</u>	3,779,594	+9,789	114,612	+358	3,140,565	524,417	3,593	62,584	1,898	53,245,501	881,657

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+7.446

76.525

+65

3.111.026

182.705

2.163

72.062

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WORDOMETER

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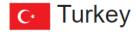






WORLD / COUNTRIES / TURKEY

Last updated: April 12, 2021, 18:00 GMT



Coronavirus Cases:

3,849,011

Deaths:

33,939

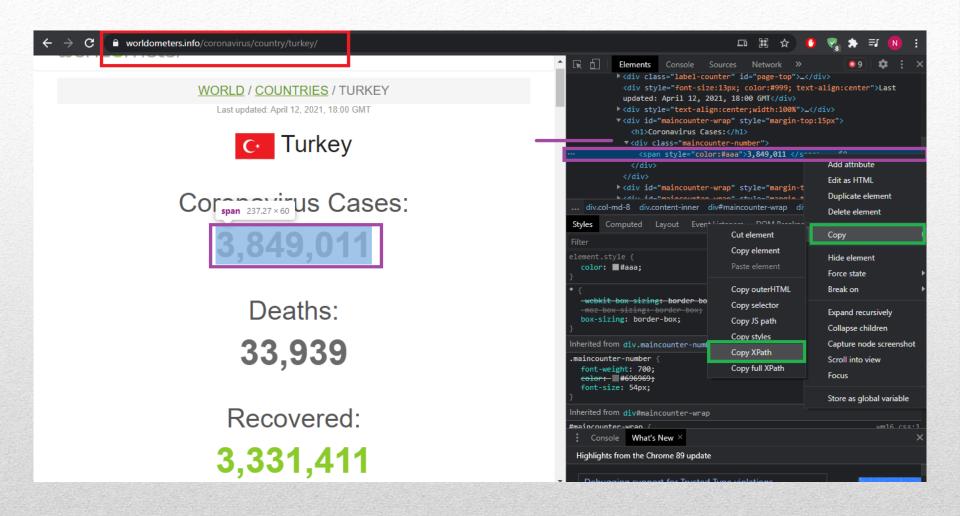
Recovered:

3,331,411

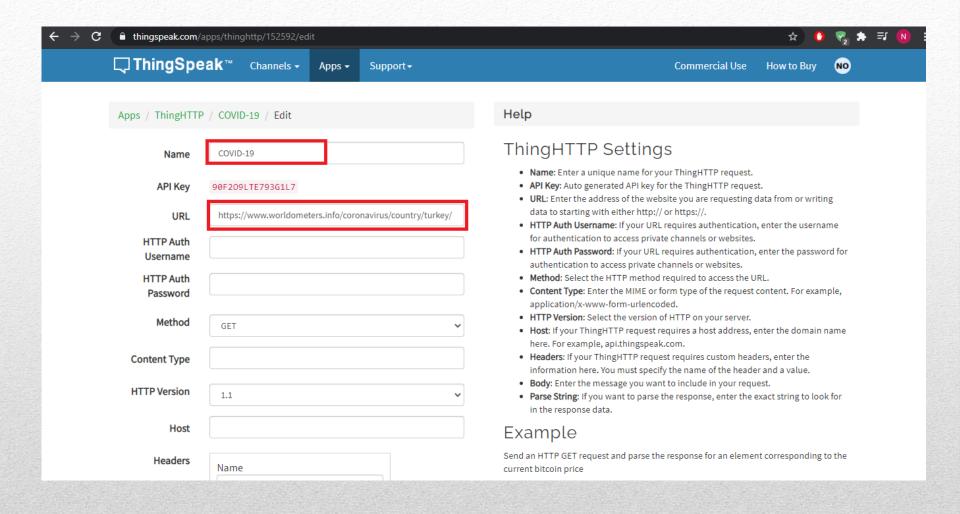




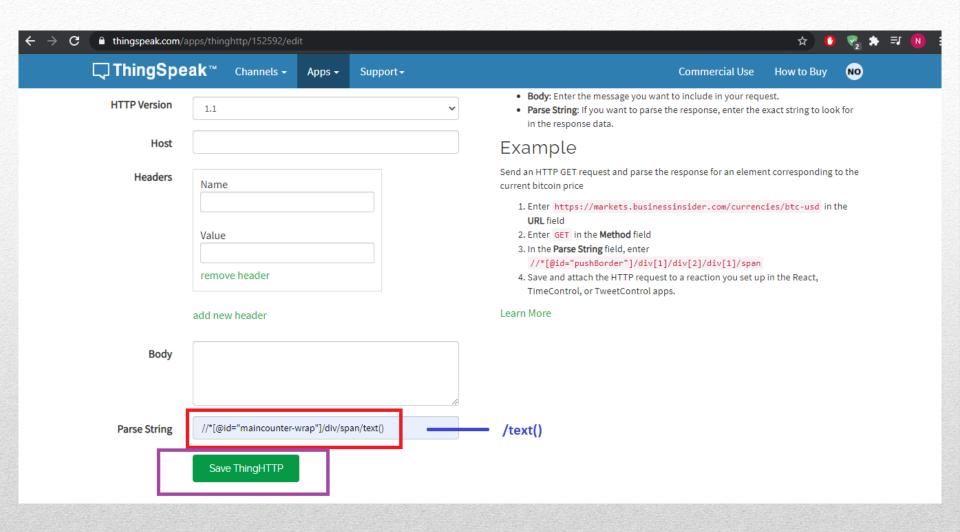




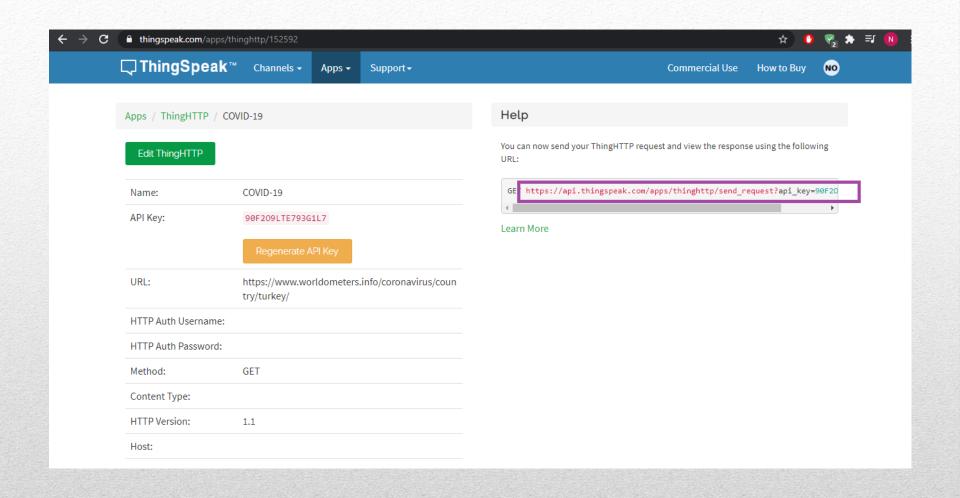




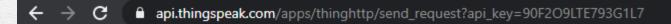






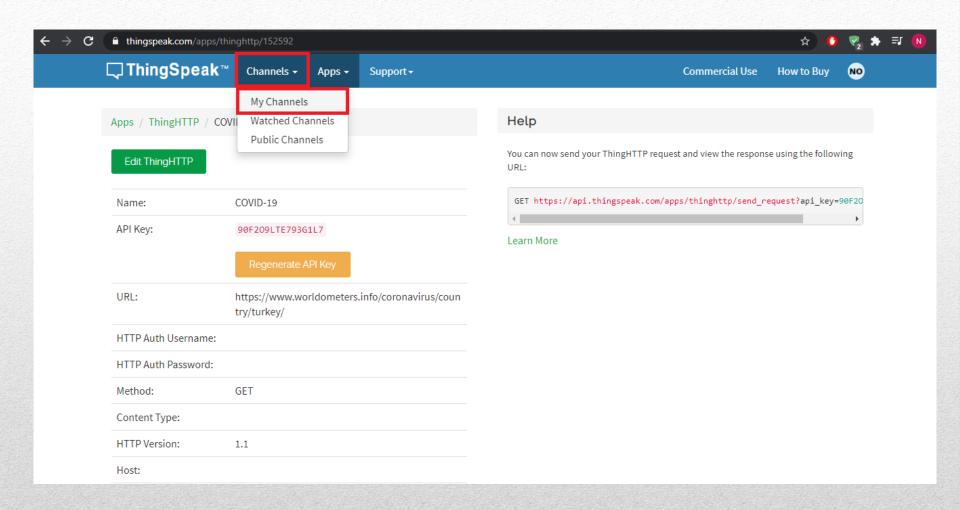




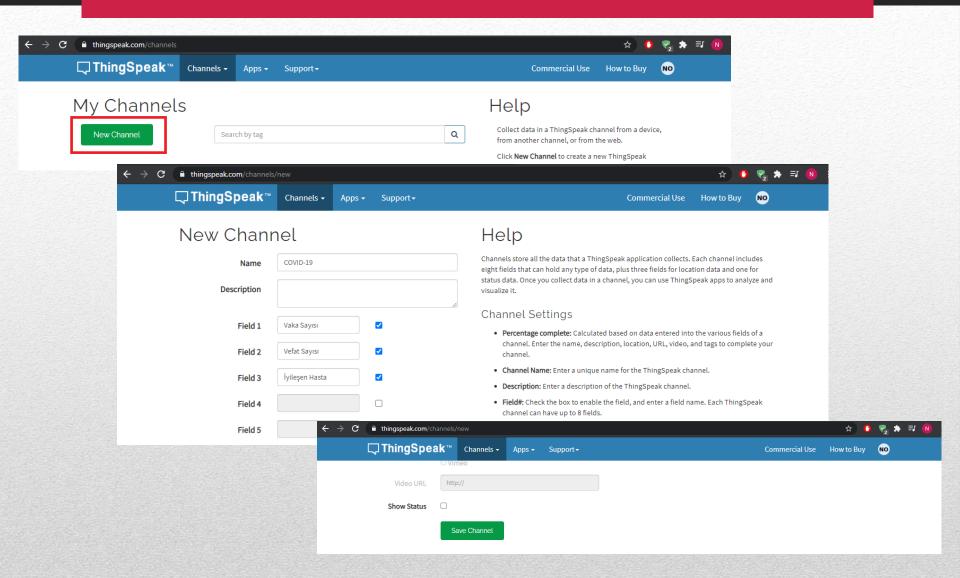


3,849,011 33,9393,331,411

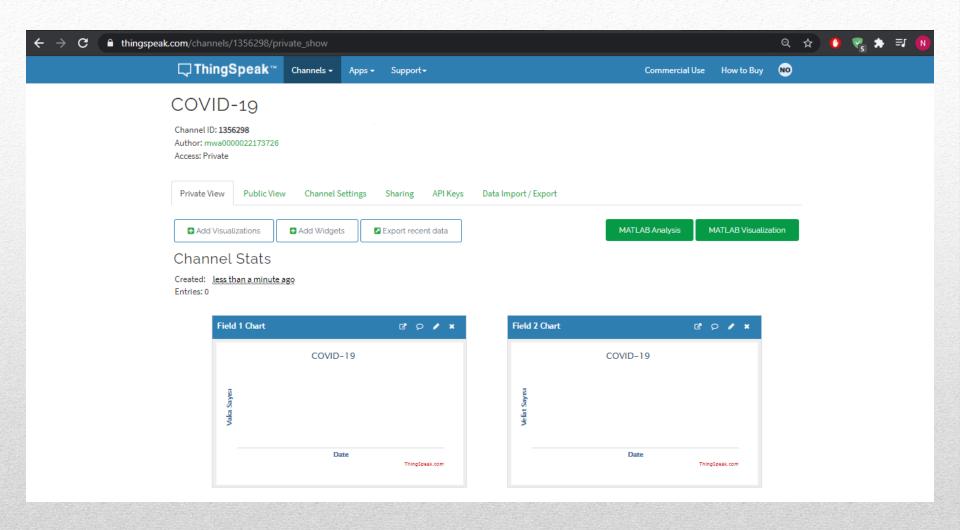




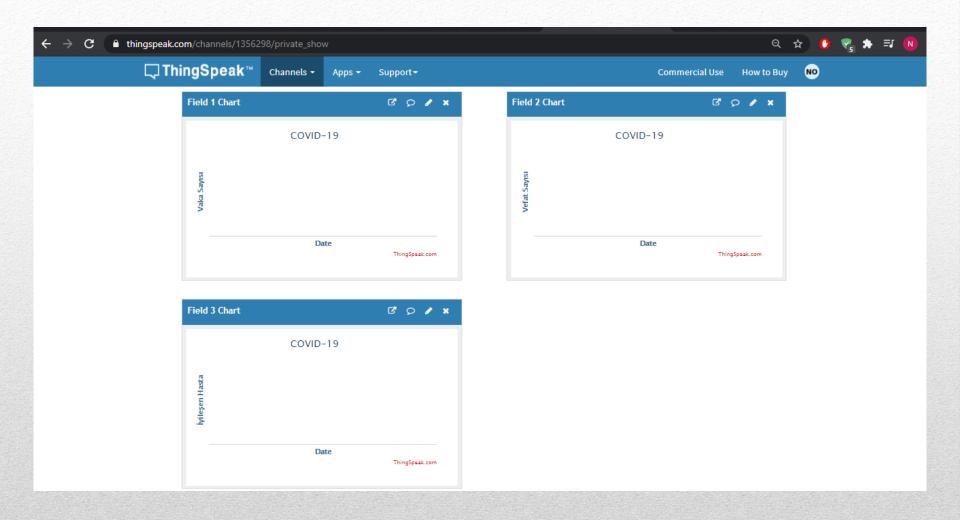




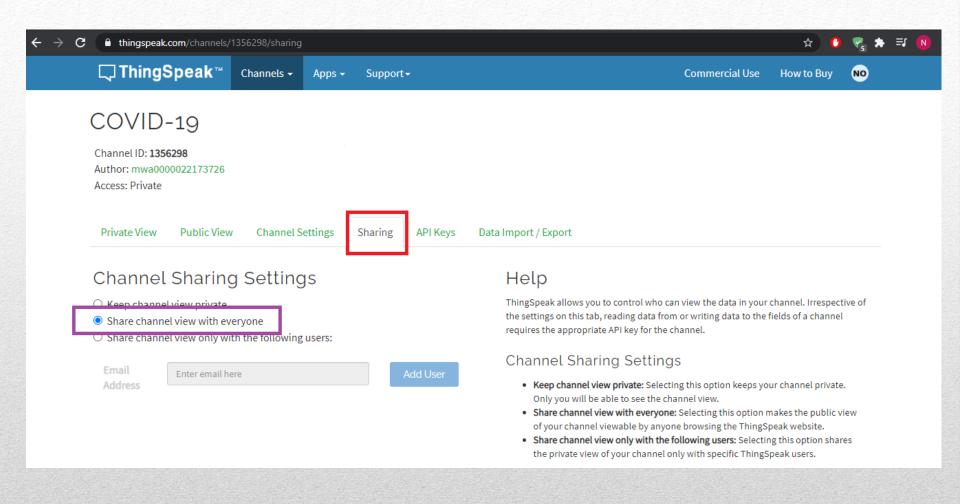






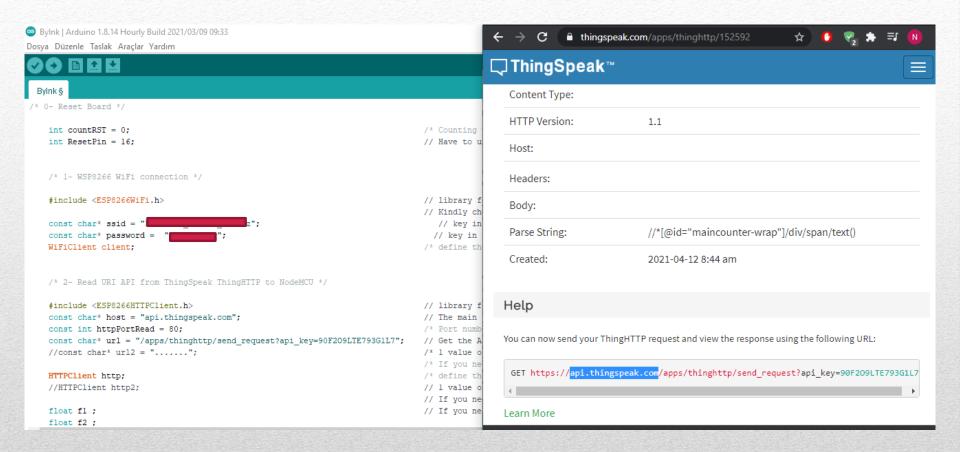




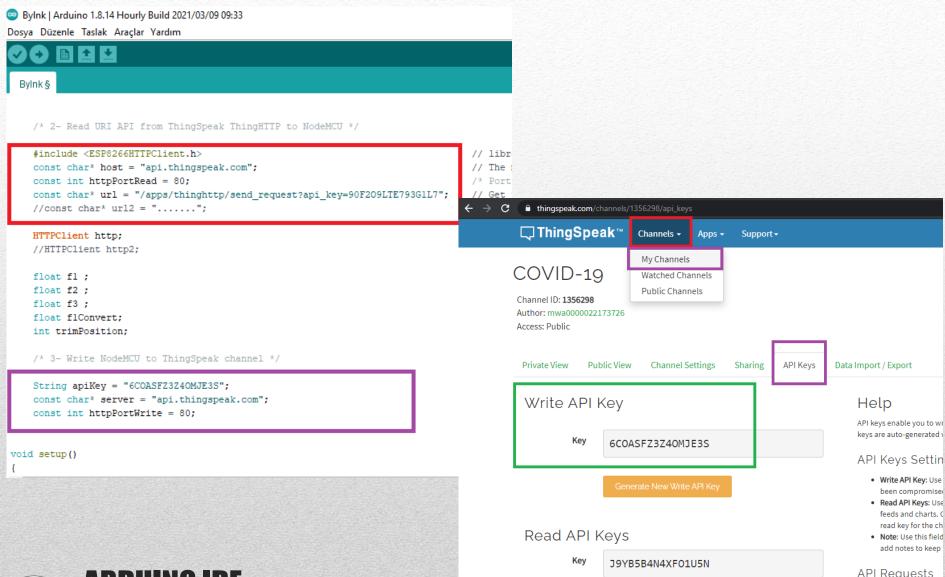




THINGSPEAK - CHANNEL - GÖRÜNTÜLENEBİLİRLİK









Bylnk | Arduino 1.8.14 Hourly Build 2021/03/09 09:33

Dosya Düzenle Taslak Araçlar Yardım



Bylnk §

```
/* c
Serial.println(f1,0);
                                                                           // c
// Text : 3,849,011 33,9393,331,411
                                                                           /* i
int emptySpace = payload2.indexOf(" ");
                                                                           /* 1
payload2.remove(0,emptySpace);
String payload3 = payload2;
                                                                          // n
int firstComma = payload2.indexOf(',');
                                                                           // 0
int secondComma = payload2.indexOf(',', firstComma + 1);
                                                                           // 6
int thirdComma = payload2.indexOf(',', firstComma + 2);
                                                                           // @
int fourthComma = payload2.indexOf(',', firstComma + 3);
                                                                           // @
if(secondComma-firstComma > 4 )
                                                                          // I
{ trimPosition = firstComma+4 ; }
if(thirdComma-secondComma > 4 )
{ trimPosition = secondComma+4 ; }
if(fourthComma-thirdComma > 4)
{ trimPosition = thirdComma+4 ; }
payload2.remove(trimPosition);
                                                                           // t
payload2.replace("," , "");
f2 = payload2.toFloat();
Serial.println(f2,0);
                                                                           // c
```



Bylnk | Arduino 1.8.14 Hourly Build 2021/03/09 09:33

Dosya Düzenle Taslak Araçlar Yardım

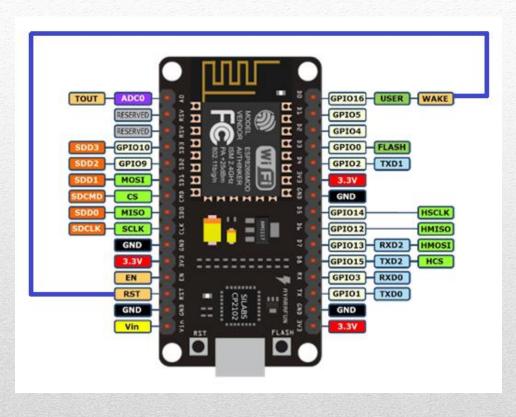


Bylnk §

```
/* 3- Write NodeMCU to ThingSpeak channel */
if (client.connect(server,httpPortWrite))
    String postStr = apiKey;
    postStr +="&fieldl=";
    postStr += String(fl);
    postStr +="&field2=";
    postStr += String(f2);
    postStr +="&field3=";
    postStr += String(f3);
    postStr += "\r\n\r\n";
    client.print("POST /update HTTP/1.1\n");
    client.print("Host: api.thingspeak.com\n");
    client.print("Connection: close\n");
    client.print("X-THINGSPEAKAPIKEY: "+apiKey+"\n");
    client.print("Content-Type: application/x-www-form-urlencoded\n");
    client.print("Content-Length: ");
    client.print(postStr.length());
    client.print("\n\n");
    client.print(postStr);
    Serial.println("Values have sent to ThingSpeak ");
```



```
Bylnk J Arduino 1.8.14 Hourly Build 2021/03/09 09:33.
Dosya Düzenle Taslak Araçlar Yardım
  Bylnk §
 /* 0- Reset Board */
     int ResetPin = 16;
     /* 1- WSP8266 WiFi connection */
     #include <ESP8266WiFi.h>
     const char* ssid = "FiberHGW_ZTFP2Q_2.4GHz";
    const char* password = "rHYNPyfYCq";
    WiFiClient client;
     /* 2- Read URI AFI from ThingSpeak ThingHTTF to NodeMCU */
     #include <ESP8266HTTPClient.h>
     const char* host = "api.thingspeak.com";
     const int httpPortRead = 80;
     const char* url = "/apps/thinghttp/send_request?api_key=90F209LTE?93G1L7";
    //const char* url2 = ".....";
    HTTPClient http:
    //HTTPClient http2;
     float fl :
     float f2 ;
```





ESP8266 – DEVRE BAĞLANTISI

