

## Özet

Github hesabının oluşturulması  
Projenin bilgisayara çekilmesi  
Flask dökümanı takip edilerek projenin ayağa kaldırılması  
Api çağrısının projeye eklenmesi  
İlgili API'ya Subscription  
Postman ile HTTP request gönderilmesi  
API token bilgisinin koda eklenmesi  
API'dan gelen datanın web arayüzünde gösterilmesi  
Form input ile veri çekilmesi

### **Task 1:**

Pull template of the project from this repo.

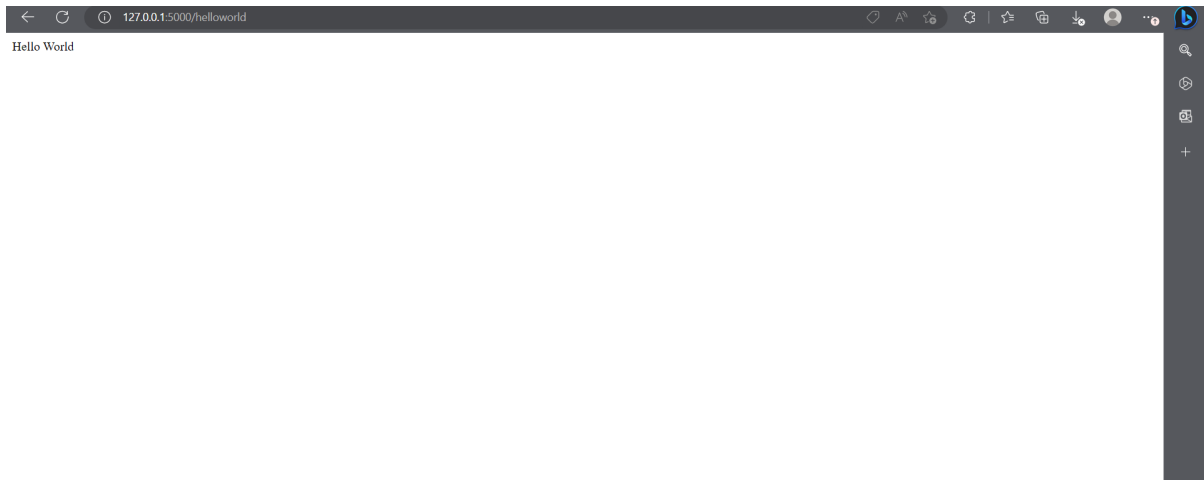
[GitHub - mesat/ytu-cs-template](#)

Create a rest api in Python with using Flask Framework.

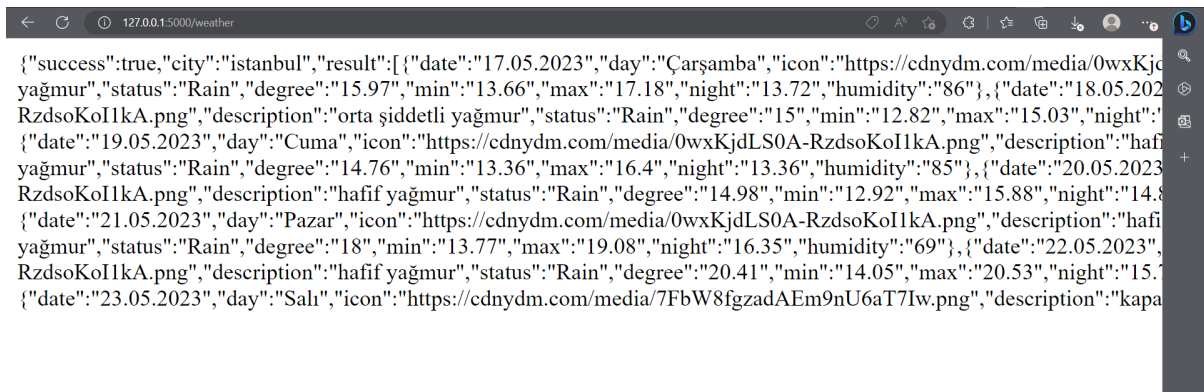
- Create a hello world endpoint and send a get request to it from Postman. (localhost:5000/helloworld)
- Choose an example from API Marketplace in [API Marketplace - Find Awesome APIs | CollectAPI](#)  
Than send a request from Postman to check access. Don't forget to add required headers.
- Create an endpoint for access one of [API Marketplace - Find Awesome APIs | CollectAPI](#) API's.
- Add required headers to your request.
- Sent a request from your endpoint and fetch data.
- Display this data in a html site.

### **Example demo app:**

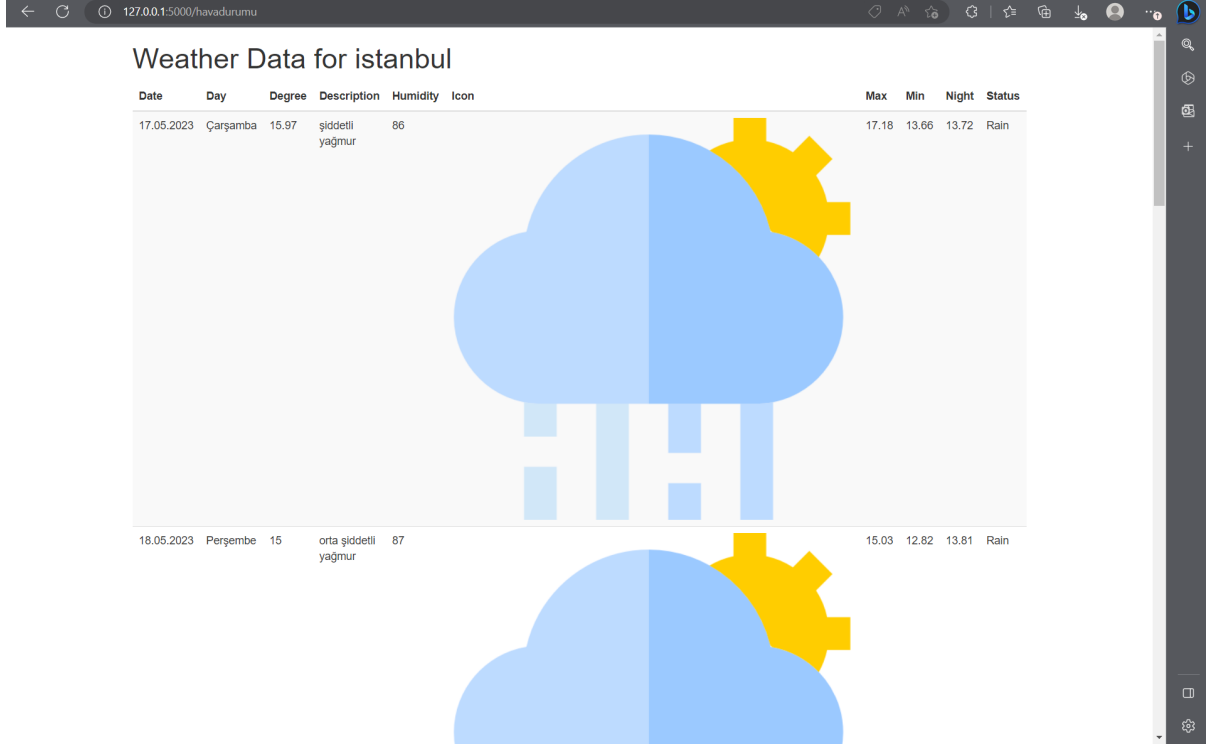
Hello world endpoint:



Fetching JSON data from collectapi.com:



Transfer and show this data in a HTML site (You can use CSS, Bootstrap CSS etc. it's up to you):



Eczane Adı	İlce	Adres	Telefon No	Lokasyon
DİDİM	ÇANKAYA	BEYTEPE MAH. 5365. SOK. KOZ BEYTEPE SİTESİ A BLOK NO:42	3122382299	39.859315,32.713485
ÇETİN	ÇANKAYA	EMEK MAH. BOSNA HERSEK CAD. NO:22/D	3122236238	39.916645,32.818746
ASYA	ÇANKAYA	MESRUTİYET CAD. NO:46/C KIZILAY	3124339904	39.918979,32.861512
ÇAYYOLU KUZUCU	ÇANKAYA	Koru Mah.Ahmet Taner Kışlalı Cad. North Star İş Merkezi No:4/31 Çankaya/Ankara	3122411570	39.88180602,32.68282212
NAZAN	ÇANKAYA	AZİZİYE HOŞDERE CAD. NO.119/B ÇANKAYA	3124407580	39.890546,32.847384
YENİ SENA	ÇANKAYA	DIKMEN CAD. NO:303/A DIKMEN	3124804587	39.875511,32.835209
BESTE	ÇANKAYA	KÜÇÜKESAT MAH. ESAT CAD. NO:111/D	3124481778	39.907578,32.865993
YENİ NAZ	ÇANKAYA	İŞÇİ BLOKLARI MAH. 1516. CAD. EZGİ SİTESİ ALTI 100.YIL	3122846283	39.894656,32.797871
AŞKIN	ÇANKAYA	BİRLİK MAH. SEHİT KURBANI AKBOGA SOK. NO:14/9	3124962814	39.88388601,32.87052612

## Task 2:

Write an unit test for this rest api.(You can check response status code)

### **Task 3:**

Dockerize the application and up with docker-compose.

#### **Useful links:**

Introduction to REST API and HTTP

[HTTP | MDN \(mozilla.org\)](https://developer.mozilla.org/en-US/docs/Web/HTTP)

[Python and REST APIs: Interacting With Web Services – Real Python](#)

Python and Flask Framework

[Python Flask Kurulumu ve Localhostta Çalıştırma \(kerteriz.net\)](#)

[Flask HTML Sayfa Oluşturma ve HTML İçinde Python Kullanma \(kerteriz.net\)](#)

[Unit Testing in Python - Unittest - GeeksforGeeks](#)

<https://kerteriz.net/flask-templatelarda-dongu-kullanimi/>

<https://kerteriz.net/flask-form-yapilarini-kullanarak-post-get-veri-alma-gonderme/>