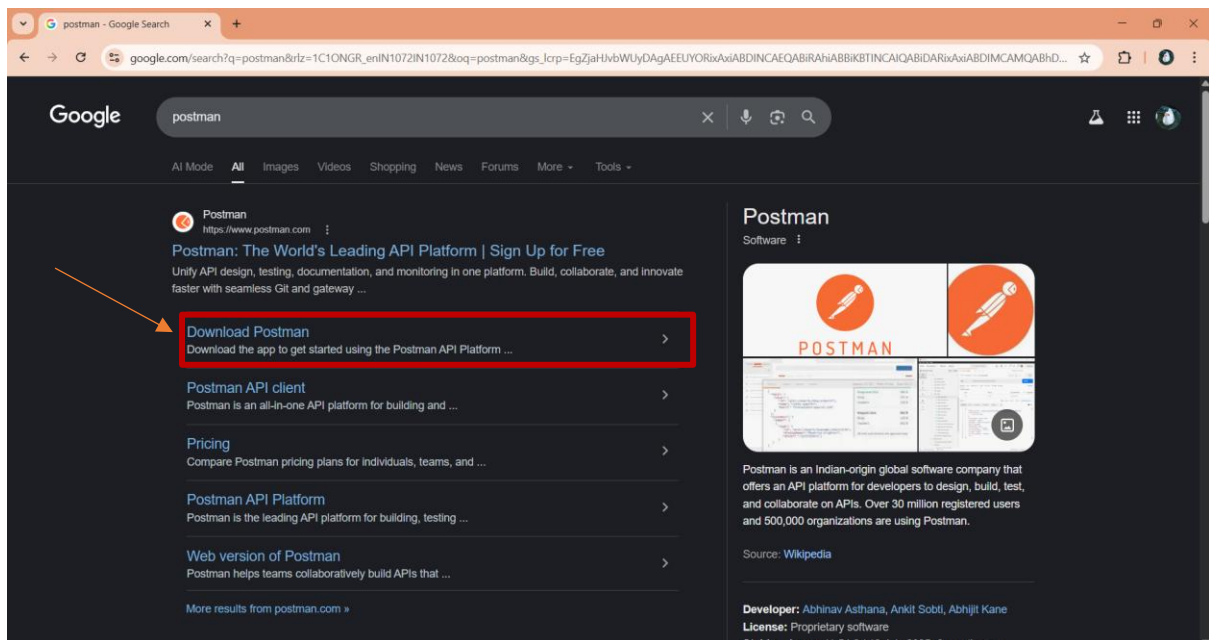


## LAB 9

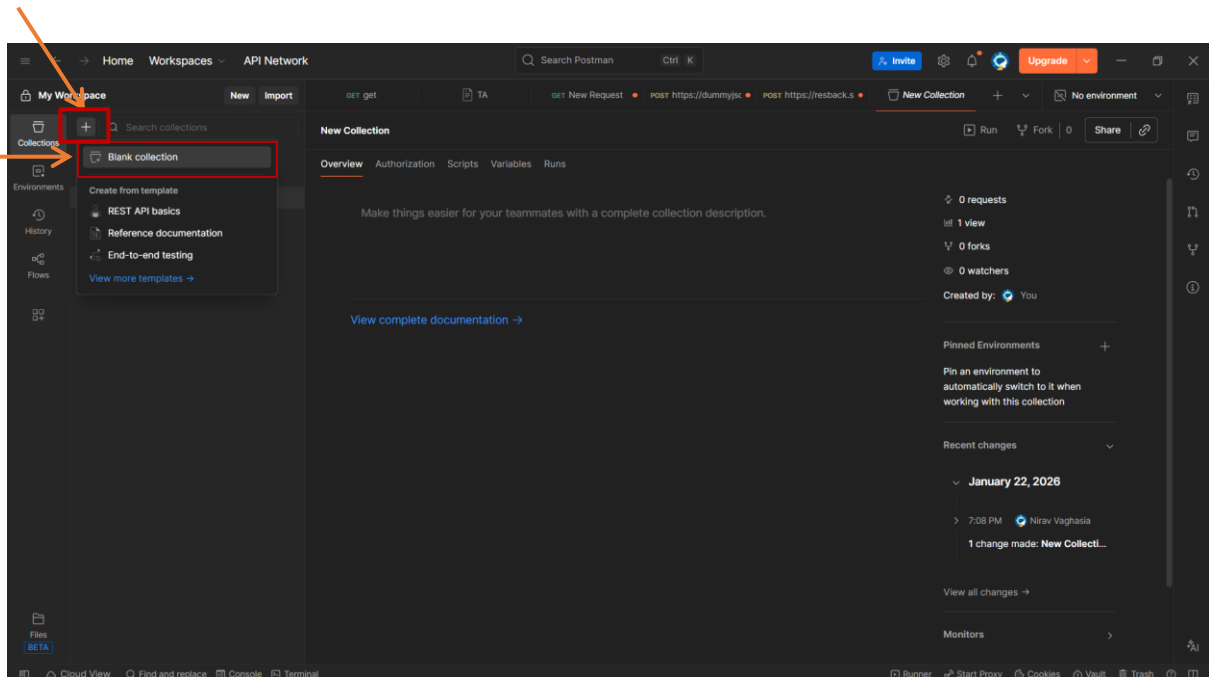
**Prepare API Document (Use POSTMAN tool to save API details).  
Maintain following information for each API.**

### Step 1 : Install Postman

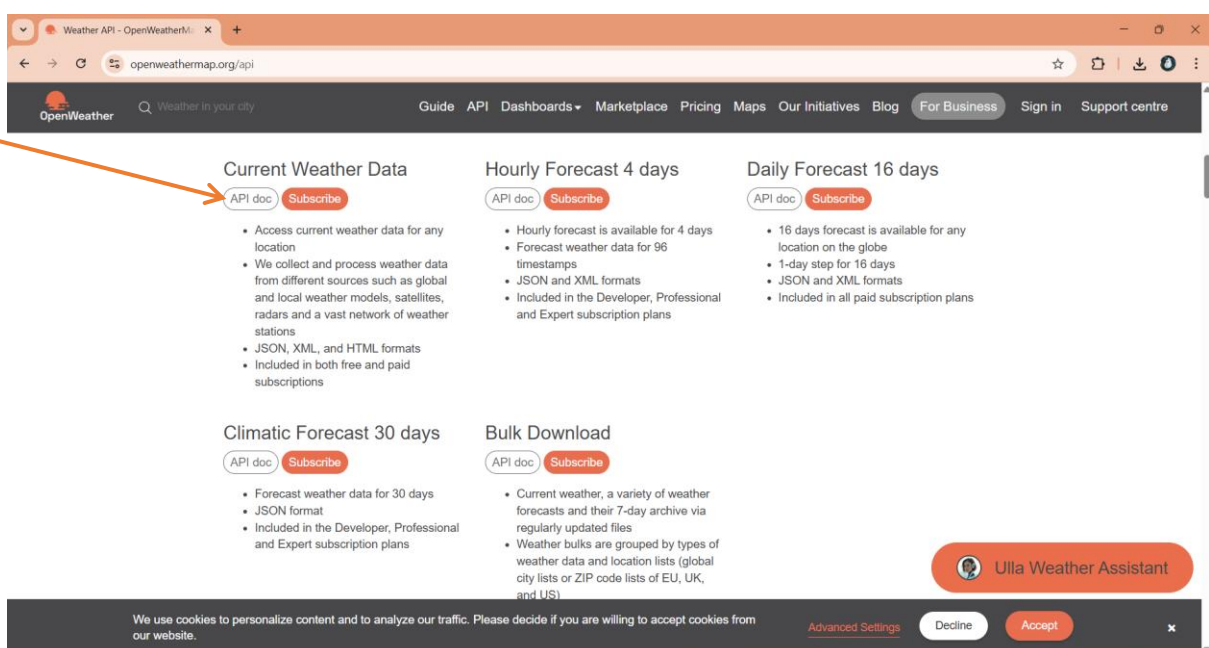


### Step 2 : Login or signup in postman after installation

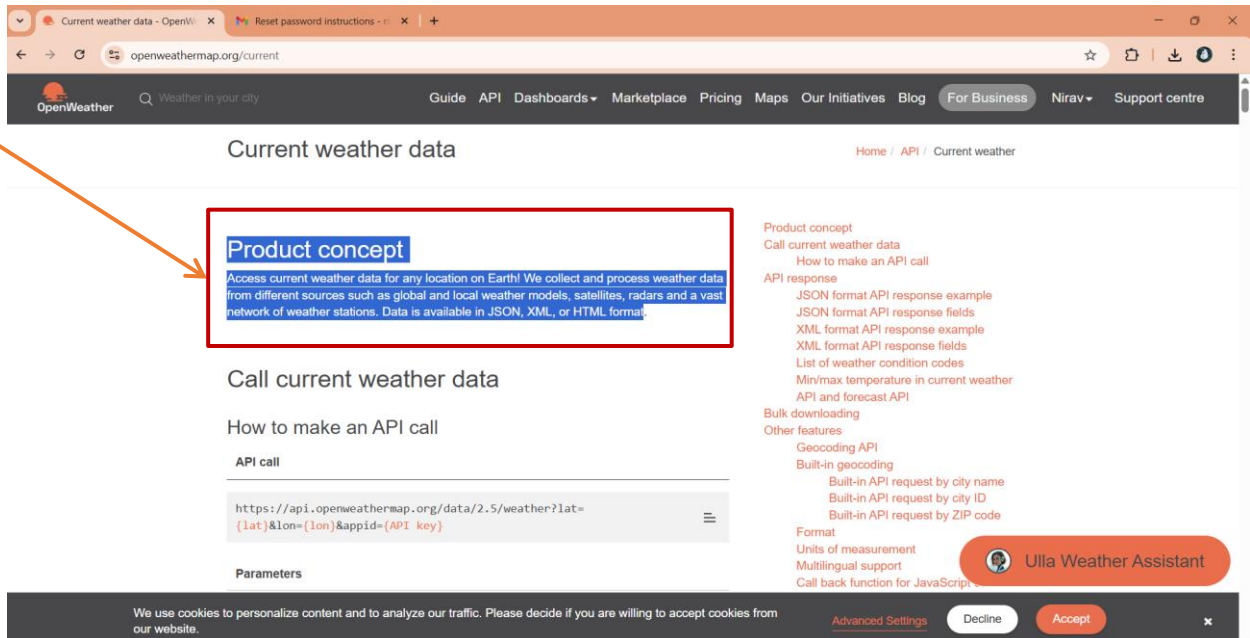
**Step 3 : Open Postman and create collection using + icon and select blank selection and Give the name of collection according to your choice and after create click on it.(you will see your collections from left sidebar)**



**Step 4: Search “weather api” in google click on first website and also **LOGIN** , after that scroll down and you see current weather data Click on “API DOC”**



## Step 5 : Copy the highlighted text and paste it into postman overview



Current weather data

Product concept

Access current weather data for any location on Earth! We collect and process weather data from different sources such as global and local weather models, satellites, radars and a vast network of weather stations. Data is available in JSON, XML, or HTML format.

Call current weather data

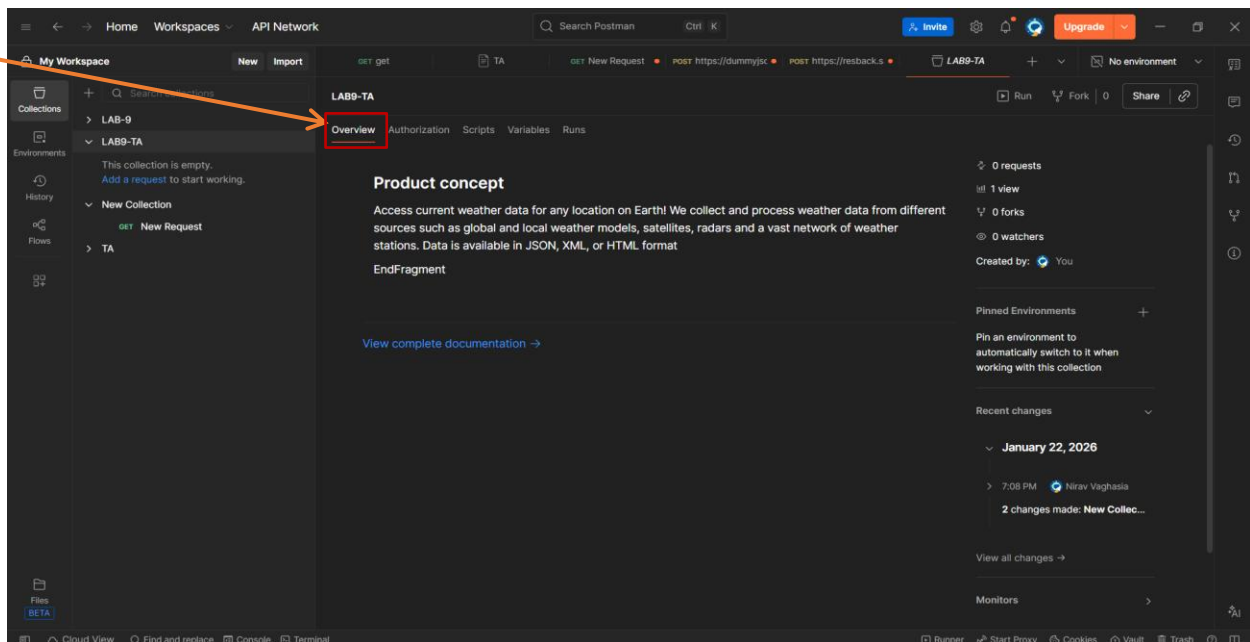
How to make an API call

API call

```
https://api.openweathermap.org/data/2.5/weather?lat={lat}&lon={lon}&appid={API key}
```

Parameters

Ulla Weather Assistant



LAB9-TA

Overview

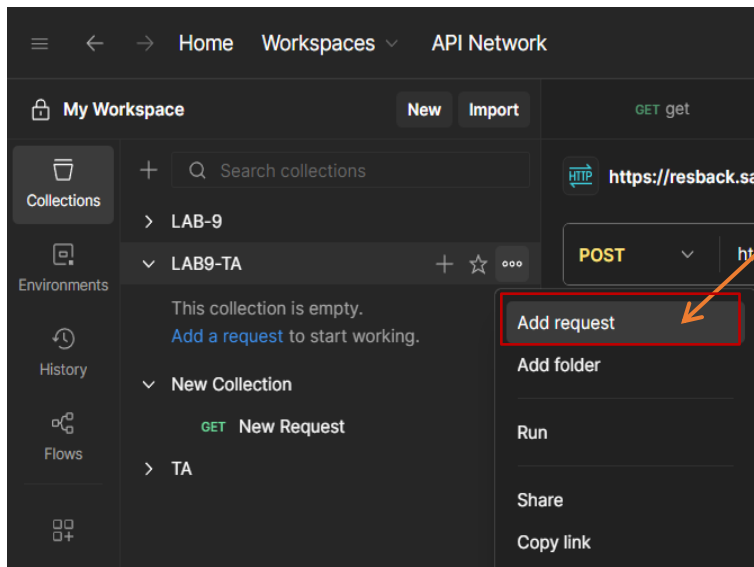
Product concept

Access current weather data for any location on Earth! We collect and process weather data from different sources such as global and local weather models, satellites, radars and a vast network of weather stations. Data is available in JSON, XML, or HTML format

EndFragment

View complete documentation →

**Step 6 : Add new GET request from 3 dot → Add Request and copy Link from Website and paste it in Postman**



## Product concept

Access current weather data for any location on Earth! We collect and process weather data from different sources such as global and local weather models, satellites, radars and a vast network of weather stations. Data is available in JSON, XML, or HTML format.

## Call current weather data

### How to make an API call

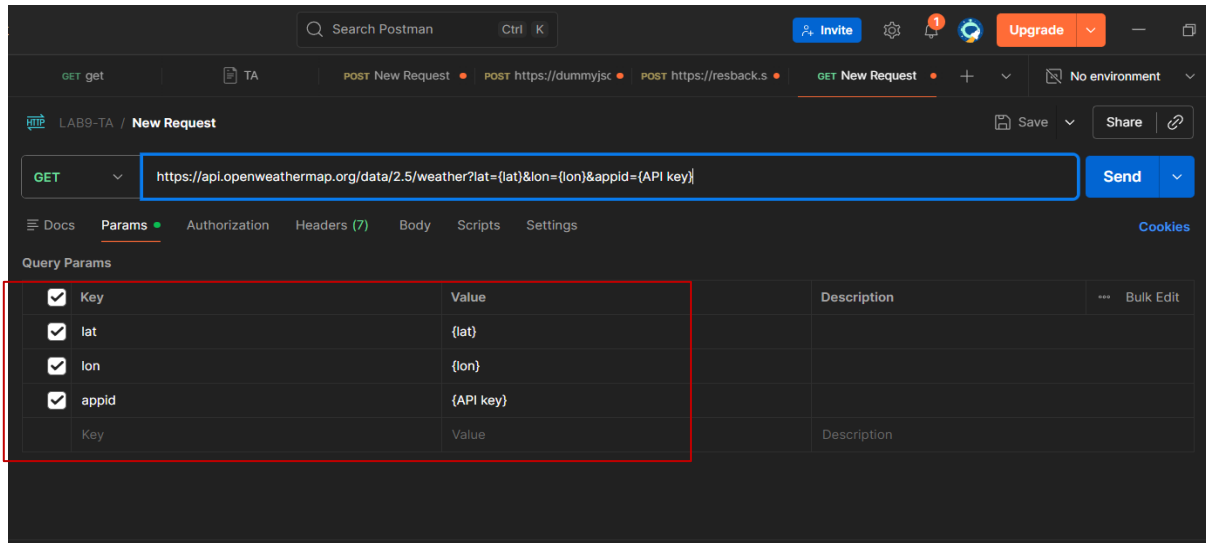
#### API call

```
https://api.openweathermap.org/data/2.5/weather?lat={lat}&lon={lon}&appid={API key}
```

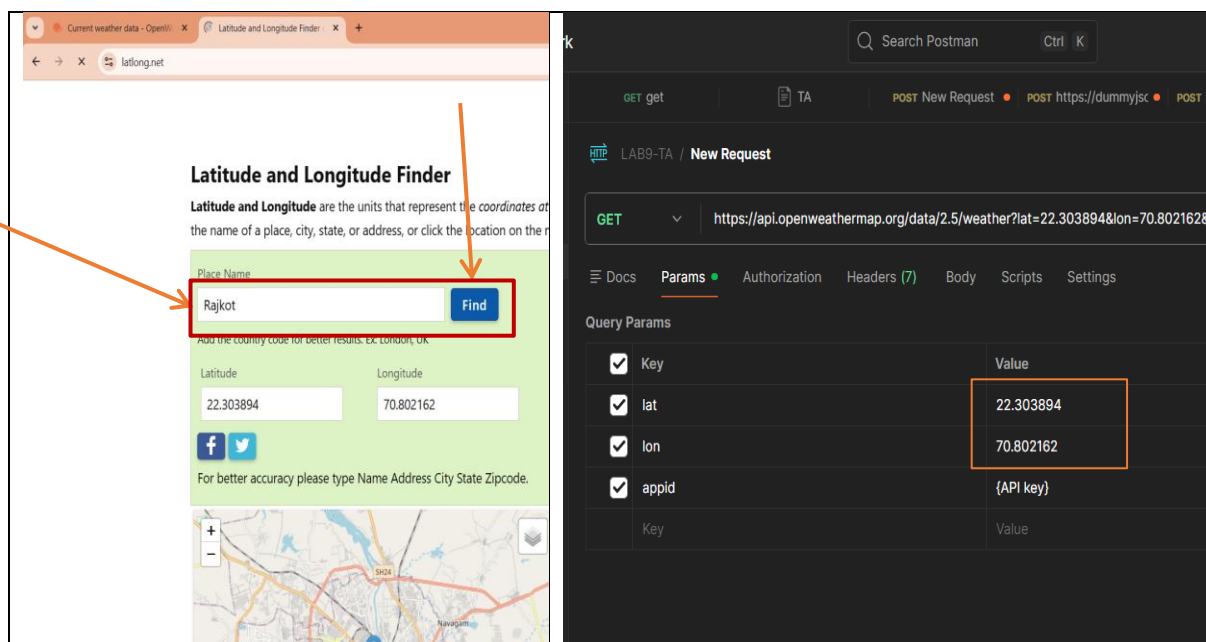
#### Parameters

lat	required	Latitude. If you need the geocoder to automatic convert city names and zip-codes to geo coordinates and the other way around, please use our <a href="#">Geocoding API</a>
lon	required	Longitude. If you need the geocoder to automatic convert city names and zip-codes to geo coordinates and the other way

**Step 7 : After paste in postman you will see a parameter in Params TAB... (lat , lon and appid)**



**Step 8 : Get Current Latitude and Longitude from google from any website and Paste the value in postman in “VALUE” tab**



## Step 9 : Get API key from weather API website and paste it in “appid” value

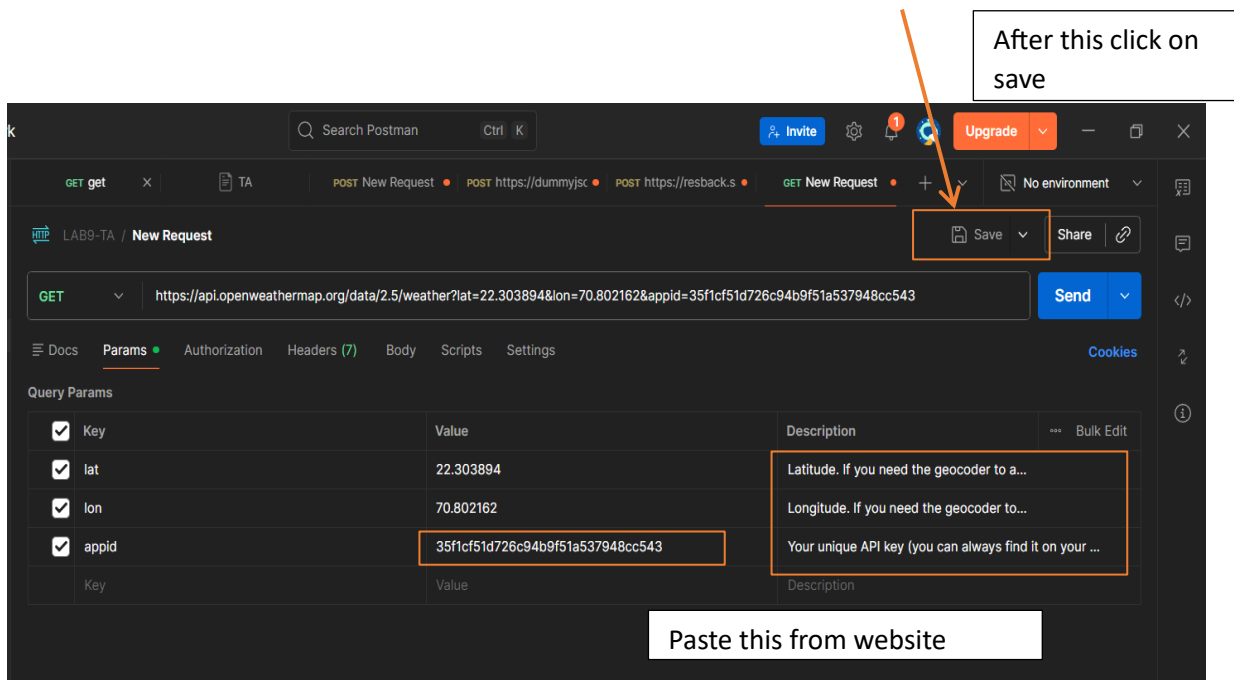
The screenshot shows the OpenWeatherMap website. On the left, a navigation menu is open with 'My API keys' highlighted. An orange arrow points from this menu item to the 'API keys' tab on the right. The right side shows the 'API keys' page with a table of keys. One key is highlighted with a blue box, and an orange arrow points from it to a text box that says 'Copy this KEY'.

Key	Name	Status	Action
39f1cf51d726c94b9f51a537948cc543	Default	Active	

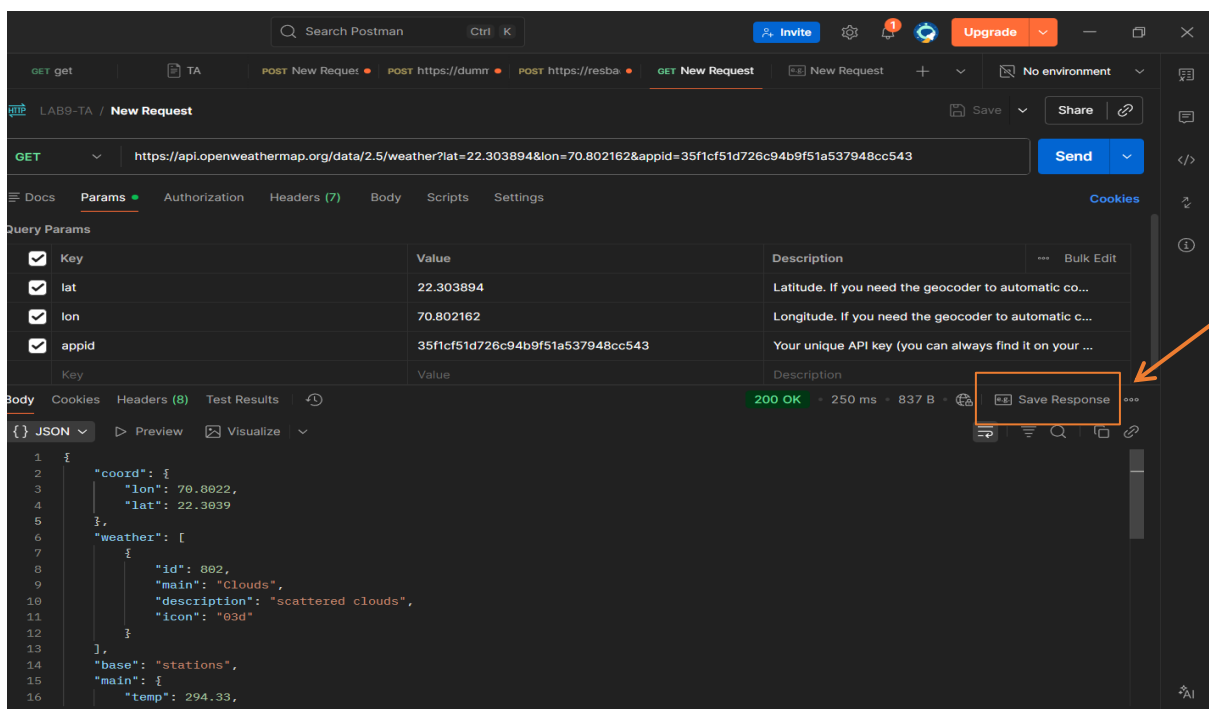
## Step 10 : Paste api key , and in description column copy from website and paste in postman.and click on save

The screenshot shows the OpenWeatherMap API endpoint and parameters. The endpoint is `https://api.openweathermap.org/data/2.5/weather?lat={lat}&lon={lon}&appid={API key}`. Below the endpoint, there is a table of parameters. The 'appid' parameter is highlighted with a red box, and its description is copied into a text box.

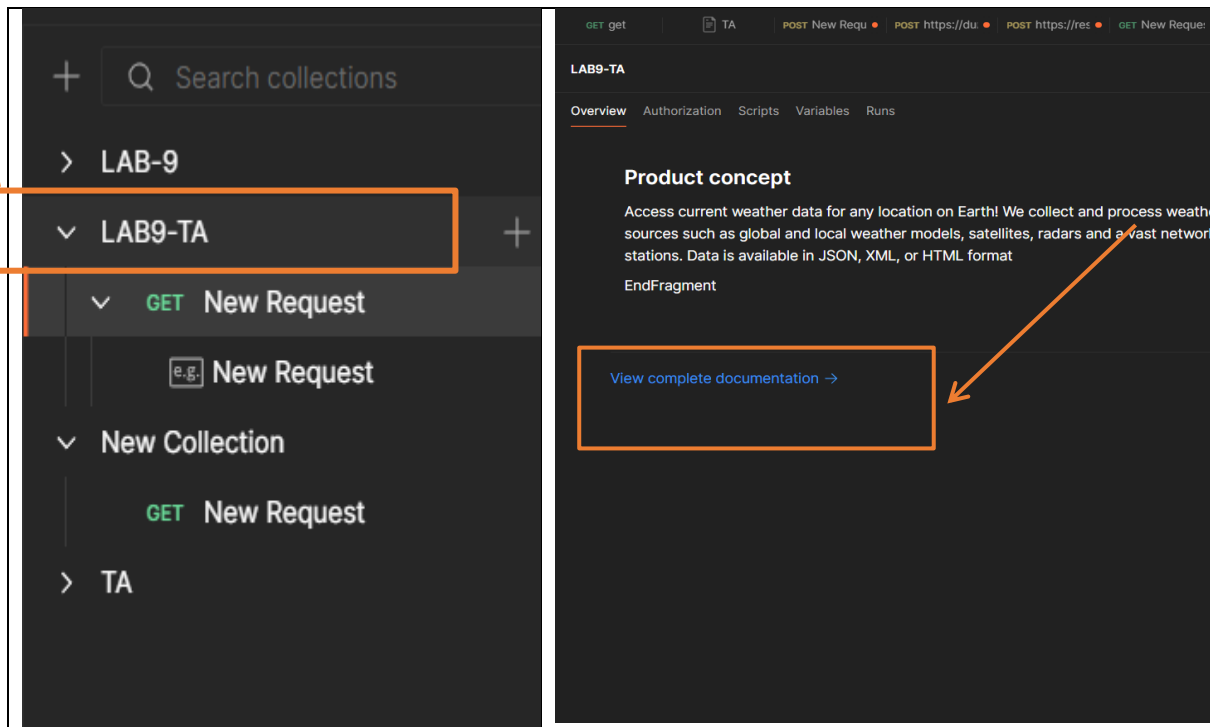
Parameter	Required	Description
lat	required	Latitude. If you need the geocoder to automatic convert city names and zip-codes to geo coordinates and the other way around, please use our <a href="#">Geocoding API</a>
lon	required	Longitude. If you need the geocoder to automatic convert city names and zip-codes to geo coordinates and the other way around, please use our <a href="#">Geocoding API</a>
appid	required	Your unique API key (you can always find it on your account page under the "API key" tab)



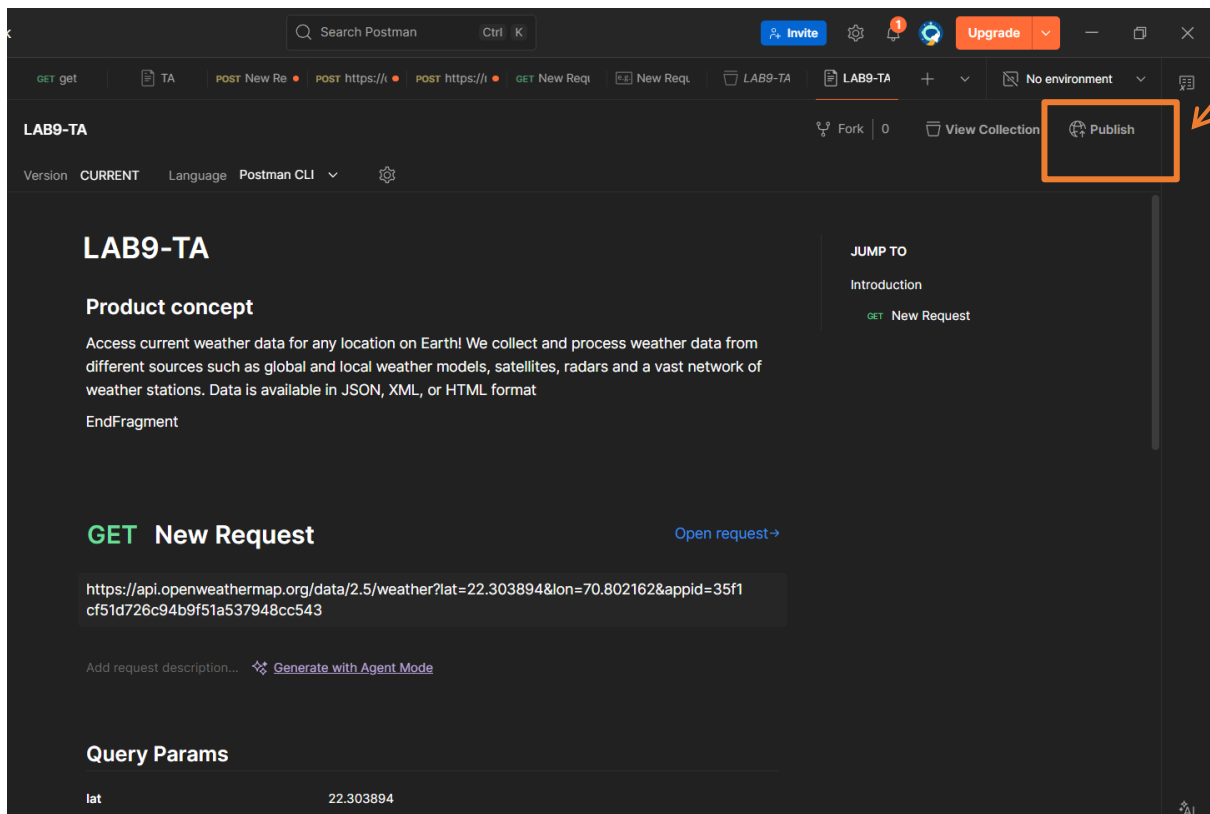
**Step 11 : Send Request and See response and save the response also**



**Step 12 : Now Go on left sidebar click on your collection name**  
**And after that Click on View Documentation**

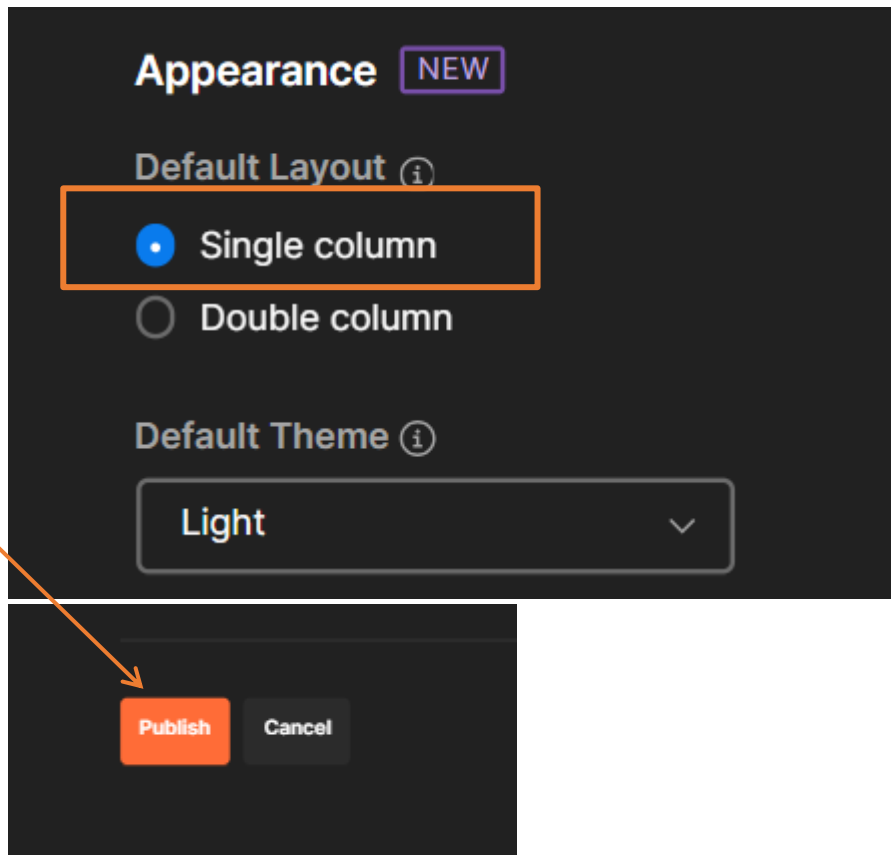


**Step 13 : Click on Publish**

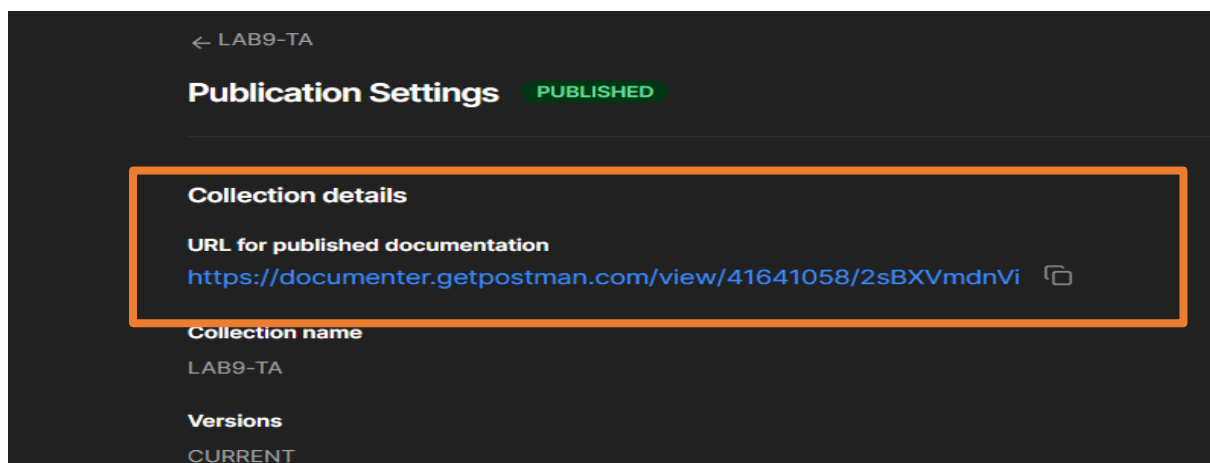




**Step 14 :** You will redirect in chrome and Select “Single Radio Column” and click publish



**Step 15 :** You will see a Link , click on that and Ctrl+p to save PDF  
And save that PDF in your PC or laptop.



**Now , Repeat same process for POST , PUT , DELETE ,**  
**Ignore the response in PUT and DELETE method just follow this**  
**process...**