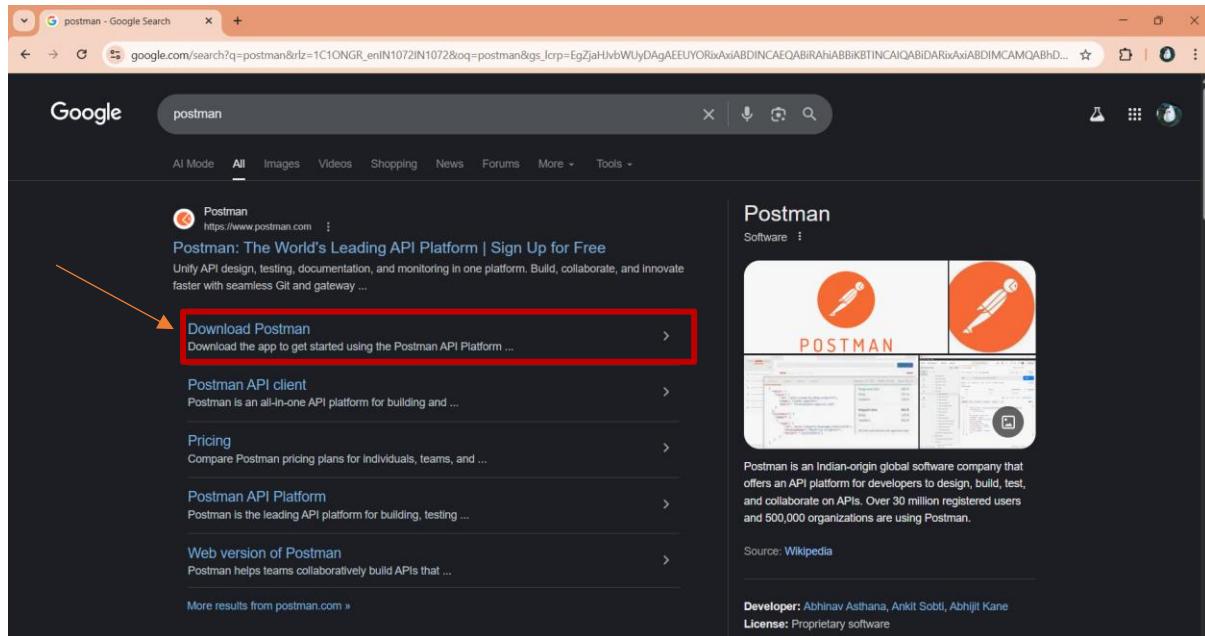


LAB 9

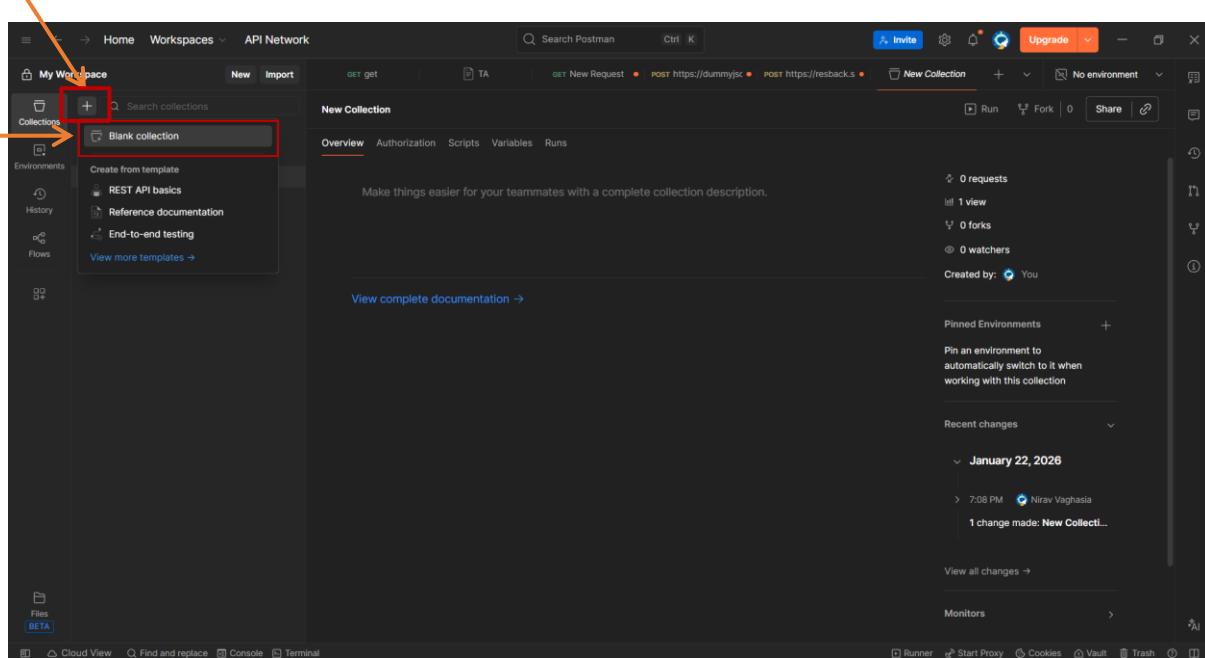
Prepare API Document (Use POSTMAN tool to save API details).
Maintain following information for each API.

Step 1 : Install Postman

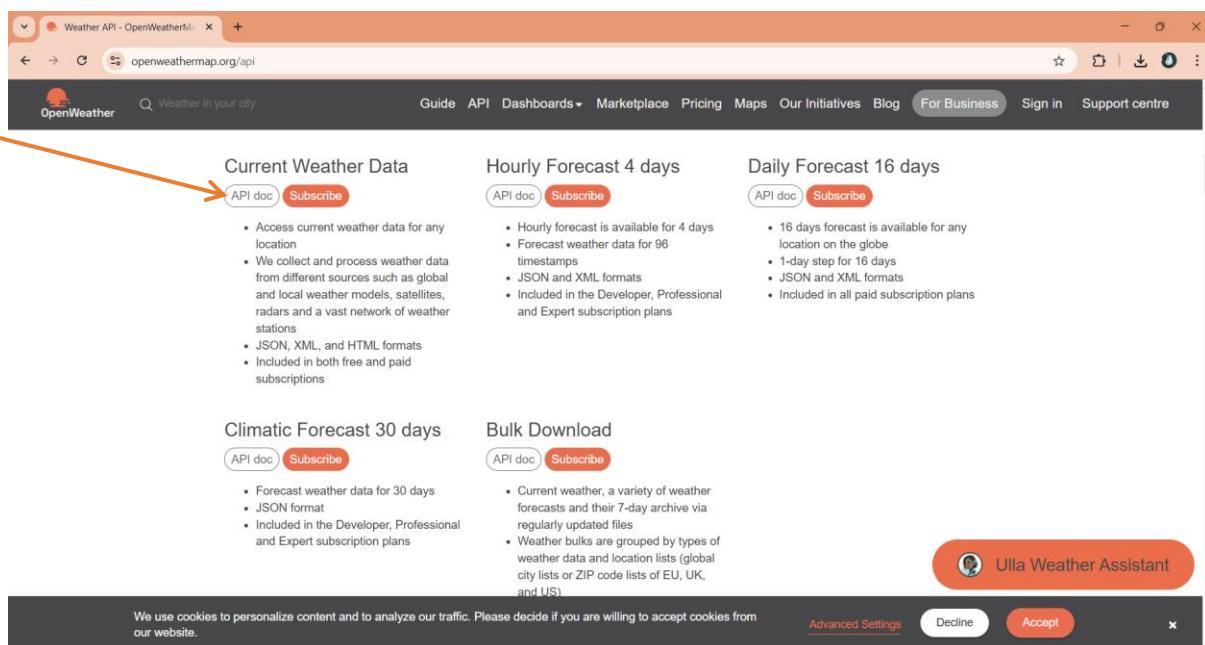


Step 2 : Login or signup in postman after installation

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

The screenshot shows the 'Current weather data' page on openweathermap.org. A red arrow points from the top left towards the 'Product concept' section, which is enclosed in a red box. This section contains a brief description of the API's purpose and data sources.

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
Parameters
Format
Units of measurement
Multilingual support
Call back function for JavaScript

Ulla Weather Assistant

The screenshot shows the Postman application interface. A red arrow points from the top left towards the 'Overview' tab of the 'LAB9-TA' collection, which is also highlighted with a red box. The 'Overview' tab displays the 'Product concept' and other collection details.

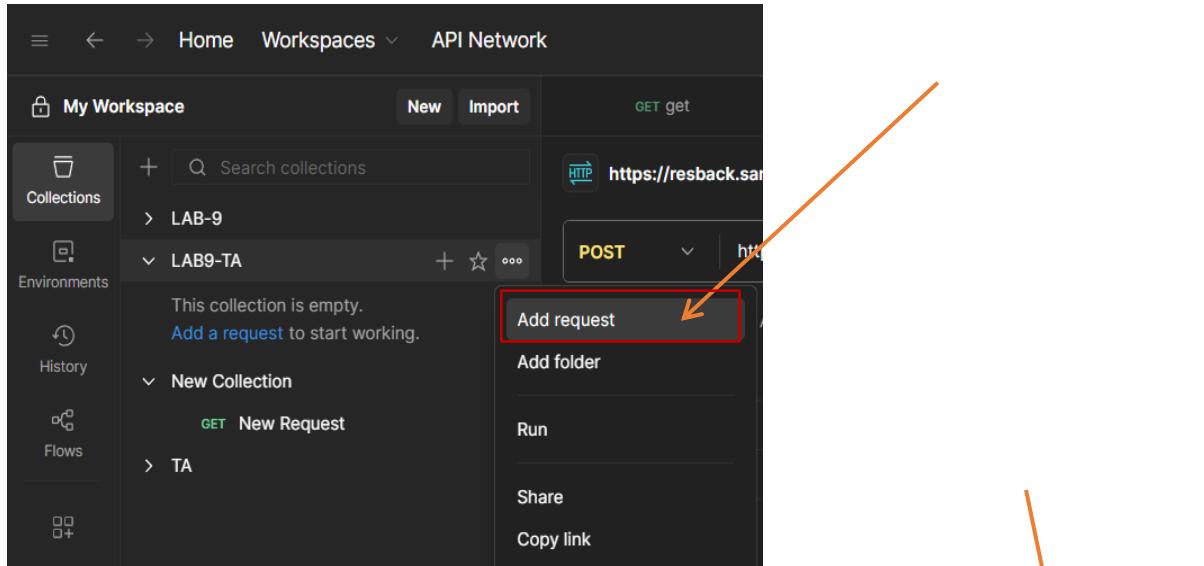
Product concept
Access current weather data for any location on Earth! We collect and process weather data from different sources such as global and local weather models, satellites, radars and a vast network of weather stations. Data is available in JSON, XML, or HTML format.

0 requests
1 view
0 forks
0 watchers
Created by: You

Pinned Environments
Pin an environment to automatically switch to it when working with this collection

Recent changes
January 22, 2026
7:08 PM Nirav Vagharia
2 changes made: New Collec...

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 automatically convert city names and zip-codes to geo coordinates and the other way around, please use our Geocoding API
lon	required	Longitude. If you need the geocoder to automatically convert city names and zip-codes to geo coordinates and the other way around, please use our Geocoding API

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

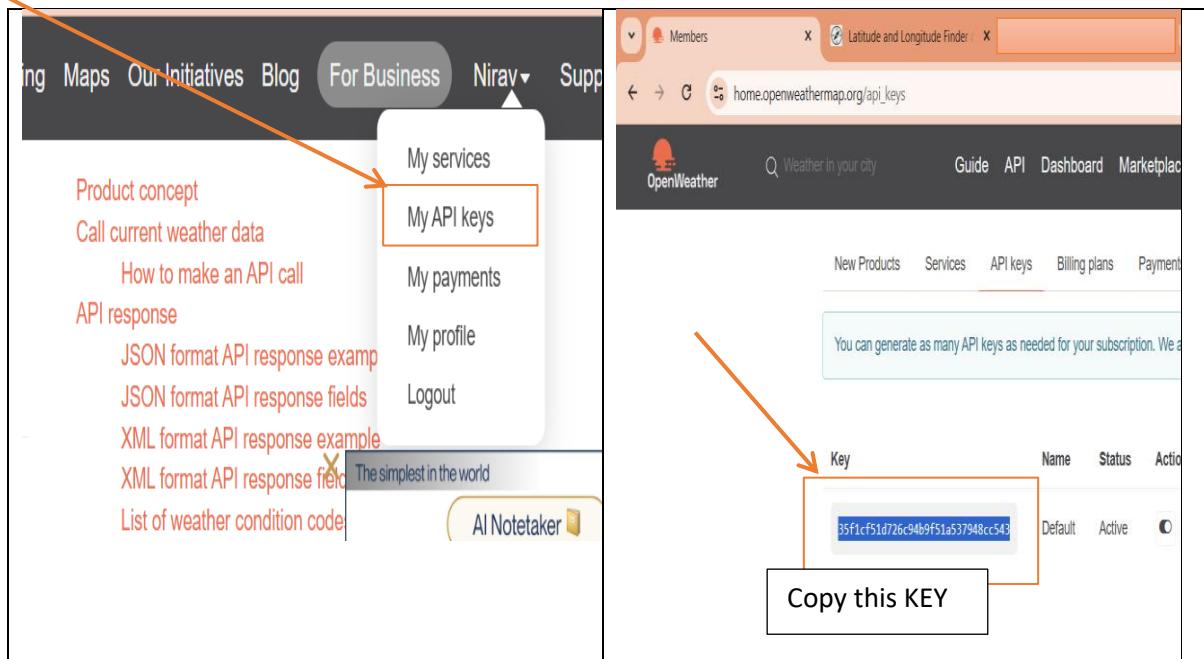
The screenshot shows the Postman interface with a red box highlighting the 'Params' tab. The 'Query Params' section contains four entries:

Key	Value	Description
Key	{lat}	
lat	{lat}	
lon	{lon}	
appid	{API key}	

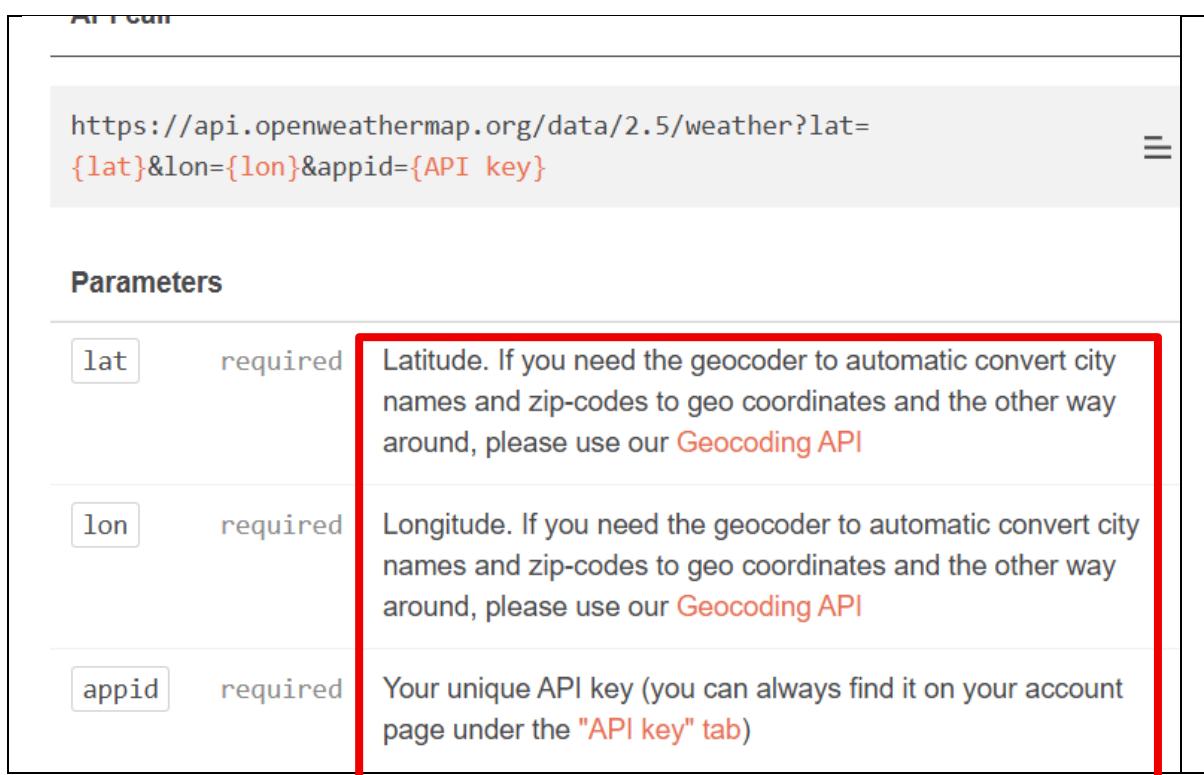
Step 8 : Get Current Latitude and Longitude from google from any website and Paste the value in postman in “VALUE” tab

The screenshot illustrates the workflow for obtaining coordinates. On the left, a browser window displays the 'Latitude and Longitude Finder' tool at latlong.net, with 'Rajkot' entered in the search field. An orange arrow points from this field to the right-hand Postman interface. The Postman interface shows the 'Params' tab selected, with the 'lat' and 'lon' fields populated with the values 22.303894 and 70.802162 respectively, corresponding to the coordinates of Rajkot.

Step 9 : Get API key from weather API website and paste it in "appid" value



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



After this click on save

Paste this from website

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

200 OK 250 ms 837 B Save Response

```

1 {
2   "coord": {
3     "lon": 70.8022,
4     "lat": 22.3039
5   },
6   "weather": [
7     {
8       "id": 802,
9       "main": "Clouds",
10      "description": "scattered clouds",
11      "icon": "03d"
12    }
13  ],
14  "base": "stations",
15  "main": {
16    "temp": 294.33
17  }
18}

```

Step 12 : Now Go on left sidebar click on your collection name

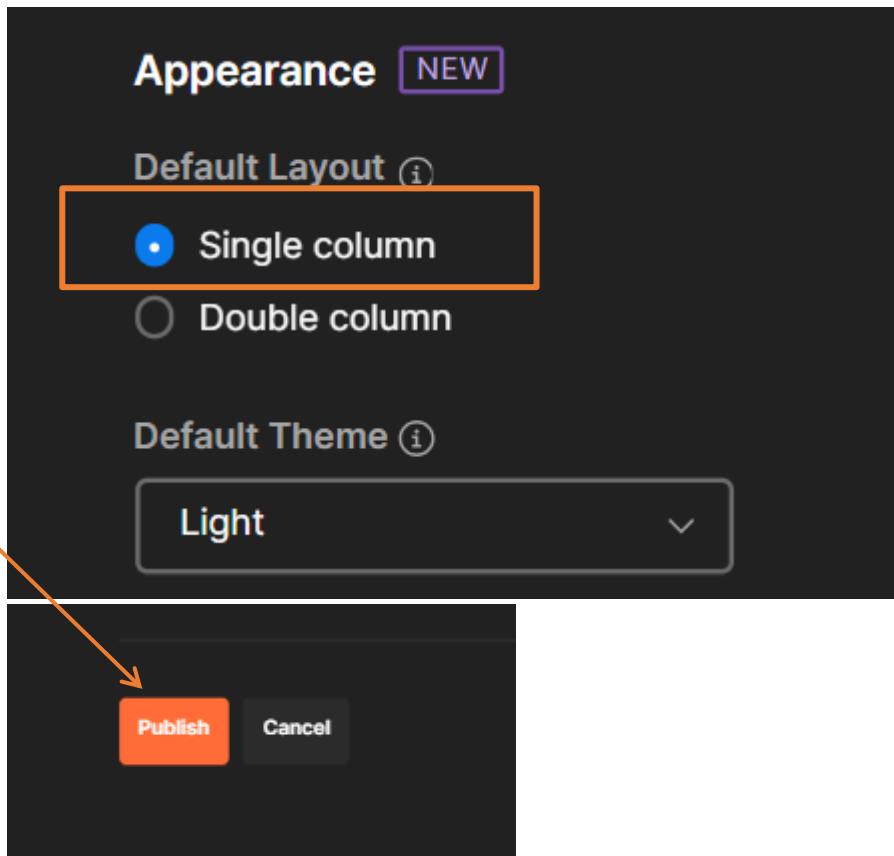
And after that Click on View Documentation

The image shows two side-by-side screenshots of the Postman application. On the left, the sidebar is visible with a search bar at the top and several collections listed: 'LAB-9' (with a plus icon), 'LAB9-TA' (which is expanded, showing its sub-items: 'GET New Request', 'e.g. New Request', and 'New Collection'), and 'TA'. An orange arrow points from the text 'Now Go on left sidebar click on your collection name' to the 'LAB9-TA' collection in the sidebar. On the right, the main window displays the 'LAB9-TA' collection's 'Overview' tab. It includes a 'Product concept' section with a brief description of weather data collection and processing. Below this is an 'EndFragment' section. At the bottom of this section, there is a blue link 'View complete documentation →' which is also highlighted with an orange box and an arrow pointing to it from the text 'Click on View Documentation'.

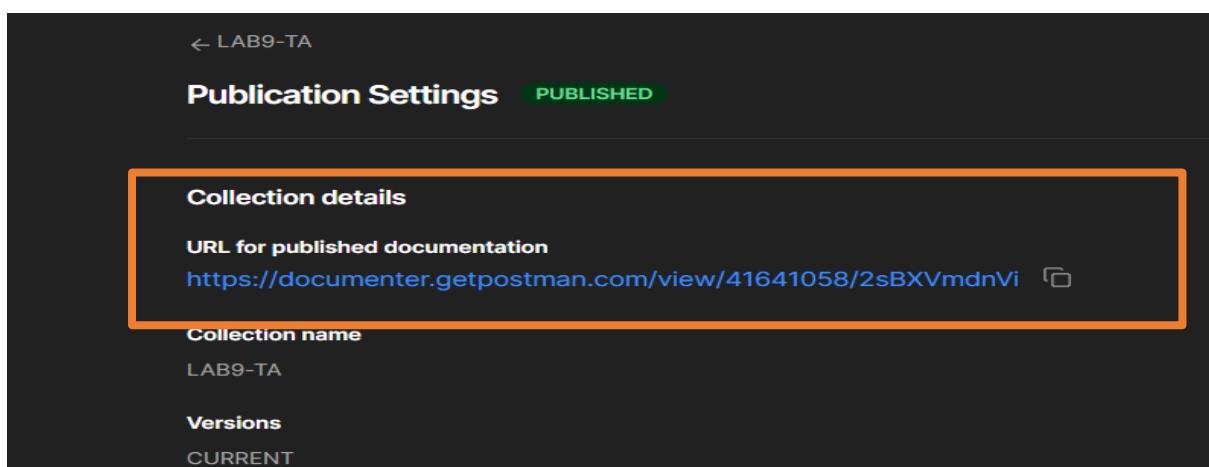
Step 13 : Click on Publish

This screenshot shows the 'LAB9-TA' collection details page in Postman. The top navigation bar includes a search bar, a toolbar with various icons like 'Invite', 'Upgrade', and 'Publish' (which is highlighted with an orange box and an arrow pointing to it from the text 'Click on Publish'), and a dropdown for environments. The main content area shows the 'LAB9-TA' collection title and a 'Product concept' section with a weather data description. Below this is a 'GET New Request' section with a URL field containing 'https://api.openweathermap.org/data/2.5/weather?lat=22.303894&lon=70.802162&appid=35f1cf51d726c94b9f51a537948cc543'. There are also sections for 'Query Params' (with 'lat' set to '22.303894') and 'Headers' (with 'Content-Type' set to 'application/json'). A sidebar on the right contains 'JUMP TO' links for 'Introduction' and 'GET New Request'.

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...**