hello

Notes Download

End point: Address where API is hosted on the Server.

HTTP methods which are commonly used to communicate with Rest API’s are

**GET, POST, PUT, and DELETE**

GET- The GET method is used to extract information from the given server using a given URI. While using GET request, it should only extract data and should have no other effect on the data. No Payload/Body required

**How to send input data in GET?**  
Ans: Using Query Parameters

POST- A POST request is used to send data to the server, for example, customer information, file upload, etc. using HTML forms.

**How to send input data in POST?**  
Ans: Using Form Parameters /Body Payload

PUT- Replaces all current representations of the target resource with the uploaded content.

DELETE- Removes all current representations of the target resource given by a URI.

**Resources:  
Resources represent API/Collection which can be accessed from the Server**

Google.com/maps  
google.com/search  
google.com/images

**Path Parameters:**  
**Path parameters** are variable parts of a URL path. They are typically used to point to a specific resource within a collection, such as a user identified by ID

<https://www.google.com/Images/1123343>  
<https://www.google.com/docs/1123343>  
<https://amazon.com/orders/112>

<https://www.google.com/search?q=newyork&oq=newyork&aqs=chrome..69i57j0l7.2501j0j7&sourceid=chrome&ie=UTF-8>

**Query Parameters:**  
Query Parameter is used to sort/filter the resources.

Query Parameters are identified with?””

https://amazon.com/orders?sort\_by=2/20/2020

**Headers/Cookies**:

Headers represent the meta-data associated with the API request and response. In layman terms, we were sending Additional details to API to process our request.  
Example : Authorization details

**End Point Request URL can be constructed as below**  
Base URL/resource/(Query/Path)Parameters

Google Maps Add API (POST):

This API Will add new place into Server

**Complete URL :** [https://rahulshettyacademy.com](https://rahulshettyacademy.com/)**/maps/api/place/add/json?key=** **qaclick123**

**Base URL**: [https://rahulshettyacademy.com](https://rahulshettyacademy.com/)

**Resource**: /maps/api/place/add/json

**Query Parameters**: key =qaclick123

**Http Method**: POST

**Sample Body** :

{

"location": {

"lat": -38.383494,

"lng": 33.427362

},

"accuracy": 50,

"name": "Frontline house",

"phone\_number": "(+91) 983 893 3937",

"address": "29, side layout, cohen 09",

"types": [

"shoe park",

"shop"

],

"website": "http://google.com",

"language": "French-IN"

}

**Sample Response**

{

"status": "OK",

"place\_id": "928b51f64aed18713b0d164d9be8d67f",

"scope": "APP",

"reference": "736f3c9bec384af62a184a1936d42bb0736f3c9bec384af62a184a1936d42bb0",

"id": "736f3c9bec384af62a184a1936d42bb0"

}

Google Maps Delete API (POST):

This API Will delete existing place from Server

**Complete URL**: https://rahulshettyacademy.com/maps/api/place/delete/json?key=qaclick123

**Base URL**: https://rahulshettyacademy.com

**Resource**: /maps/api/place/delete/json

**Query Parameters:** key

**Http request** : DELETE

**Sample Body** :

{

"place\_id":"928b51f64aed18713b0d164d9be8d67f"

}

**Sample Response**

{

"status": "OK"

}

Google Maps get Place API (GET):

**This API Will get existing place details from Server**

**Complete URL :** http://rahulshettyacademy.com/maps/api/place/get/json?place\_id=xxxx&key=qaclick123

**Base URL**: [https://rahulshettyacademy.com](https://rahulshettyacademy.com/)

**Resource**: /maps/api/place/get/json

**Query Parameters**: key, place\_id //( place\_id value comes from Add place response)

**Http request**: GET

Note: Key value is hardcoded and it is always qaclick123

**Sample Response for the Provided Place\_Id**

{

"location":{

"lat" : -38.383494,

"lng" : 33.427362

},

"accuracy":50,

"name":"Frontline house",

"phone\_number":"(+91) 983 893 3937",

"address" : "29, side layout, cohen 09",

"types": ["shoe park","shop"],

"website" : "http://google.com",

"language" : "French-IN"

}

Google Maps Put Place API (PUT):

This API Will update existing place in Server with new values

**Complete URL :** http://rahulshettyacademy.com/maps/api/place/get/json?place\_id=xxxx&key=qaclick123

**Base URL** : [https://rahulshettyacademy.com](https://rahulshettyacademy.com/)

**Resource**: /maps/api/place/update/json

**Query Parameters**: key

**Http Method**: PUT -

Note: Key value is hardcoded and it is always qaclick123

**Sample Request:**

{

"place\_id":"8d2573bdf6ceec0e474c5f388fa917fb",

"address":"70 Summer walk, USA",

"key":"qaclick123"

}

**Sample Response for the Provided Place\_Id**

{

"location":{

"lat" : -38.383494,

"lng" : 33.427362

},

"accuracy":50,

"name":"Frontline house",

"phone\_number":"(+91) 983 893 3937",

"address" : "29, side layout, cohen 09",

"types": ["shoe park","shop"],

"website" : "http://google.com",

"language" : "French-IN"

}