API Testing Basics Notes:

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