Q. What is difference between Authentication and Authorization?

Ans: authentication is the process of verifying who are you?

whereas authorization is the process of verifying what rights do you have?

1) API headers are noting but meta-data associated with every request and response

2) Every header is in the form of key-value pair

3) This headers give extra information about

   1) Request and Response body

   2) Request Authorization

   3) Response Caching

   4) Response Cookies

Examples of API Headers

Here are some of the most common API Headers you will encounter when testing any API.

1) Authorization:
Contains the authentication credentials for HTTP authentication.

2) Accept-Charset
This header is set with the request and tells the server which character sets (e.g., UTF-8, ISO-8859-1, Windows-1251, etc.) are acceptable by the client.

3) Content-Type:

Tells the client what media type
(e.g., application/json, application/javascript, etc.)
a response is sent in.
This is an important header field that helps the client
know how to process the response body correctly.

Cache-Control:

The cache policy defined by the server for this response,
a cached response can be stored by the client and re-used till
the time defined by the Cache-Control header.

Q. Query Param and Path Param

https://reqres.in/api/101 --> Path Param

https://reqres.in/api?name=Ravi&roll=101 --> Query Param

Insted of sending data in the request body some times we send
data in URI itself by using path param and query param

Difference between GET and POST

GET	POST
1) With the help of we can perform retrive operation	1) With the help of POST we can perform insert or update operation
2) with the help of GET we can limited amount of data	2) With the help of POST we can send large amount of data
3) GET is not secure because data is exposed in url bar	3) POST more secure than GET
4) Get request can be bookmarked	4) POST request cannot be bookmarked
5) Get request is idempotent, idempotent means if we send same request multiple times then we are getting same result	5) POST request is non-idempotent, non-idempotent means if we send same request multiple times then we are getting different result

Q. Difference between POST and PUT

Q. Difference between PUT and PATCH

Please find above two differences