**Request Chaining in API:**

Request chaining in APIs involves making a series of API calls where each call depends on the response from the previous one.

**Here’s how it works:**

1. Initial Request: Start with the first API request to fetch initial data.

2. Processing Response: Process the response from the first request to extract necessary information.

3. Subsequent Requests: Use the extracted information to make subsequent API requests.

Repeat Steps 2 and 3: Continue this process as needed for the application’s requirements.

**Example:**

**Step 1:**

Create first API request from where we can fetch data from its response. i.e. GET Request

**Step 2:**

As mentioned in the first step, once we got response from GET request, we try to fetch required data.

So, we can fetch data from an API response using Post Response Script (Feature available in POSTMAN)

Here, we try to write script to fetch required data.

var responseBody **=** pm.response.text(),

suraj **=** JSON.**parse**(responseBody),

val **=** suraj[3].first\_name;

console.**log**(val);

pm.environment.**set**("just", val);

**Explanation of above code:**

Variable **responseBody** stores the response text generated by GET Request.

**Suraj** is a variable which stores the parse response body generated by GET request.

Then out of all response data we try to fetch first name of data available at index 3 and stored in variable **val.**

Finally we are trying to print value of variable **val** on console.

We set value of fetched text from response body to variable **Just** which declared in current working environment.

**Step 3:**

Now we can create POST request where we can use reference of value of fetched response in it to create new resource on server.

Body of POST Request:

{

      "id": 5,

      "first\_name": "Roger",

      "last\_name": "{{just}}",

      "email": "rogerbacon12@yahoo.com"

    }

So, here in body I have used {{just}} which is the name of the variable in which extracted data presents which were executed in previous request i.e. GET request in step 2.

**Data Driven API Testing:**

Here we are trying refer values of variable from outside POSTMAN.

We need to create files of data using .CSV & .JSON form only.

**First:**

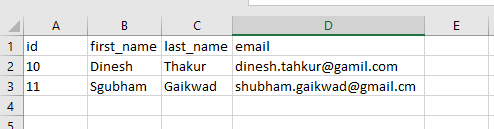
We can create one file extension json i.e..JSON

Syntax:

|  |  |  |  |
| --- | --- | --- | --- |
| id | first\_name | last\_name | email |
| 10 | Dinesh | Thakur | dinesh.tahkur@gamil.com |
| 11 | Sgubham | Gaikwad | shubham.gaikwad@gmail.cm |

**Second:**

Using .CSV format



Once we prepare any of the file in our local computer, then we can just upload it while **Run Collection.**

