API Testing

Topic: api chaining

Questions asked in interviews

Q. how to pass values from one request(api) to another request(api)

Q. what is api chaining

Q. how to create variables and pass the data

Q. how to save data into variables

Q. how to pass data through variables

Q. How to send response body data values from one request to another

etc

Two concepts:

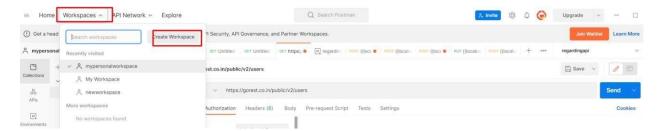
- 1. How to make variables for Authorization/url etc and to pass in different api requests
- 2. How to pass response body values from one request to another request

Note: never forget to click on save/ctrl+s after doing any action in postman..

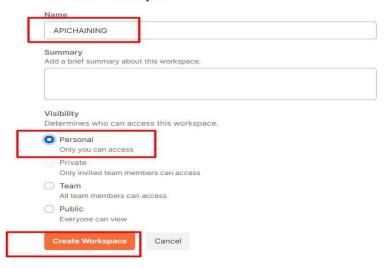
1. How to make variables for Authorization/url etc and to pass in different api requests

Note: if workspace is already created the skip steps for the workspace.. no need to create workspace again and again.. its one time activity only

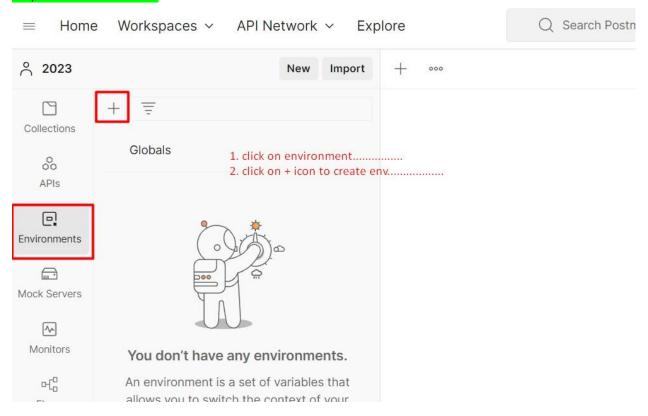
Step1: create a workspace



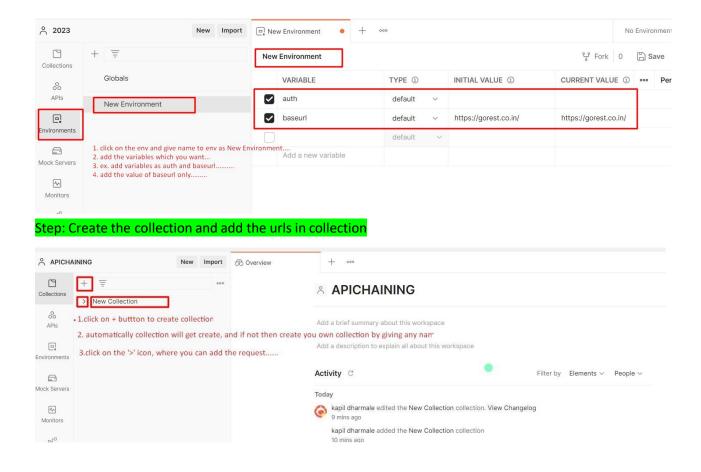
Create workspace



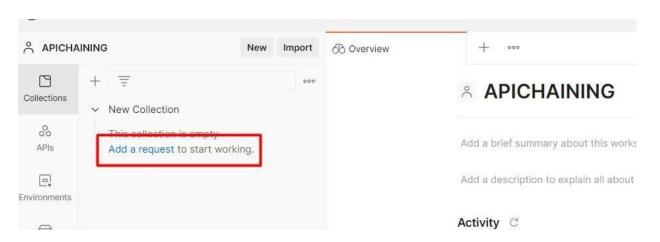
Step: create the env first



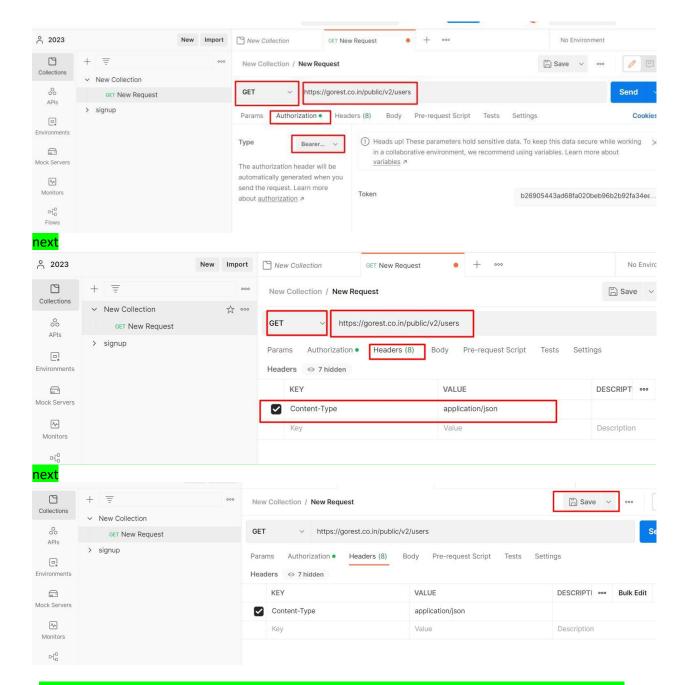
Step: set the variables which you want (it can be one/two or multiple)



Step: add many api request(ex. 2/3/10)



a. Add get request



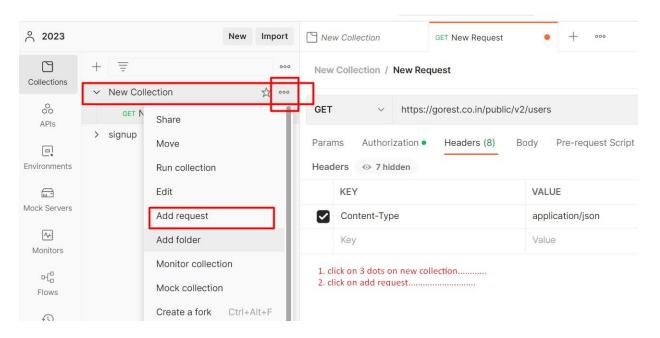
Step: Add post request now(second request) it is not restricted to add get or post, you can add any request you want

Note: keep remember In case of gorest for the put and post always change the email id, otherwise you will get the error.. every time you hit the api you need to change the email id..

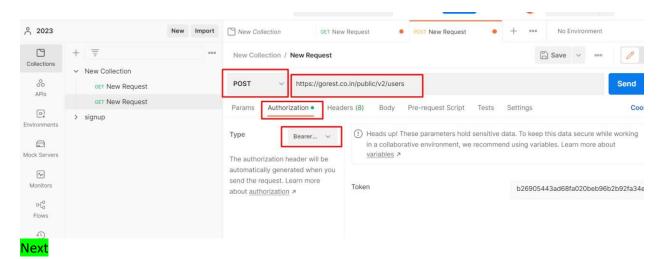
d. Because email id is unique, on the same email id you cant create duplicate data on same site/application

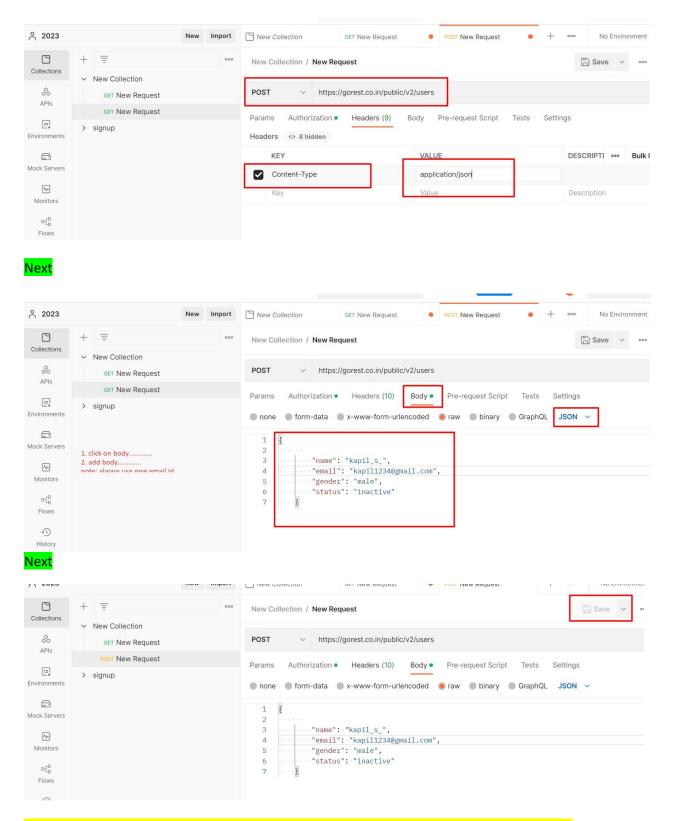
e. Note: also whenever you are doing the operation for put, you have to add the id in put url..ld you will get it from POST operation

f.

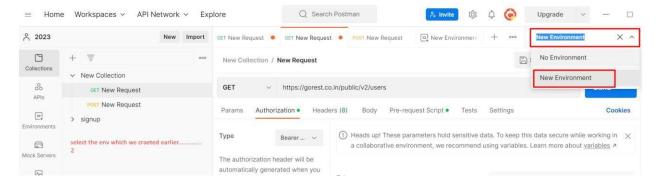


Next

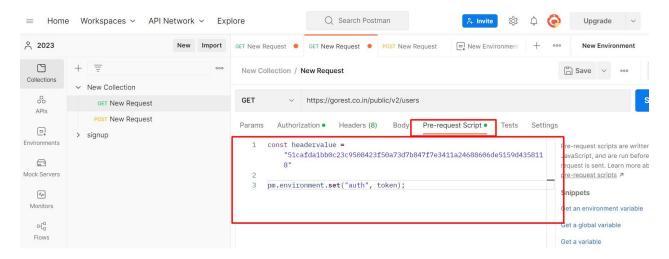




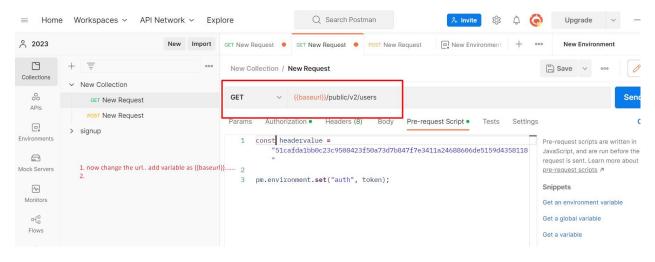
Now get and post these 2 request are created successfully, api chaining will start from here..



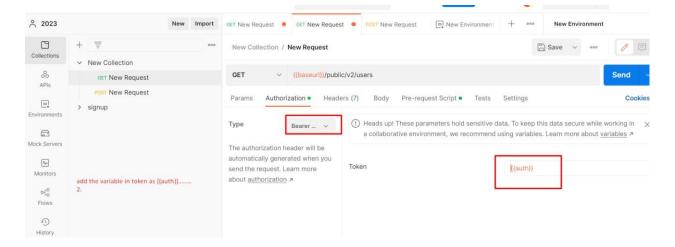
Step: add the code in pre-request script



Step: add the variable in url as {{baseurl}}



Step: do it same for the authorization as well



Note: same variables as auth and baseurl you can use in any request now

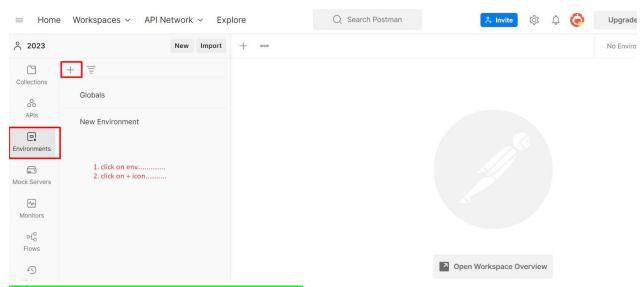
Step: hit the get api now.. and api will get successfully hit.

```
GET V
                  {{baseurl}}/public/v2/users
oouy
        Cookies
                    neauers (Z/)
                                   Test Results
 Pretty
           Raw
                   Preview
               "id": 3155,
   3
               "name": "Sen. Aarya Deshpande",
   4
               "email": "aarya_deshpande_sen@swift.net",
   5
               "gender": "male",
   6
               "status": "inactive"
   8
  9 🕶
               "id": 3140,
  10
               "name": "Uttam Prajapat",
  11
               "email": "uttam_prajapat@gerlach.io",
 12
               "gender": "female",
 13
               "status": "inactive"
 14
 15
  16 🕶
               "id": 3139,
 17
               "name": "Lakshmi Panicker I",
  18
```

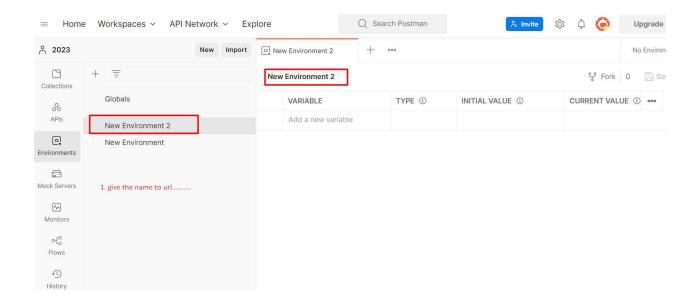
Concept2:

#How to send response body data from one request to another

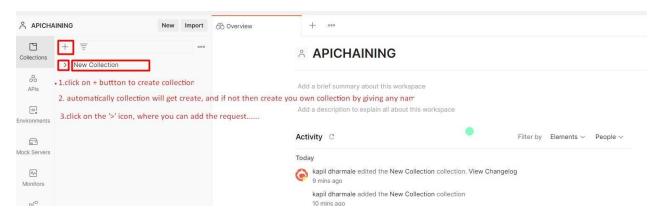
Step:create the env first



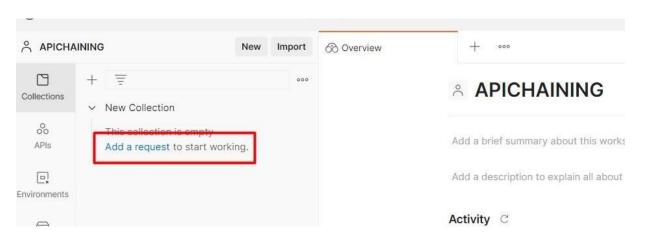
Step: give any name to env and save it



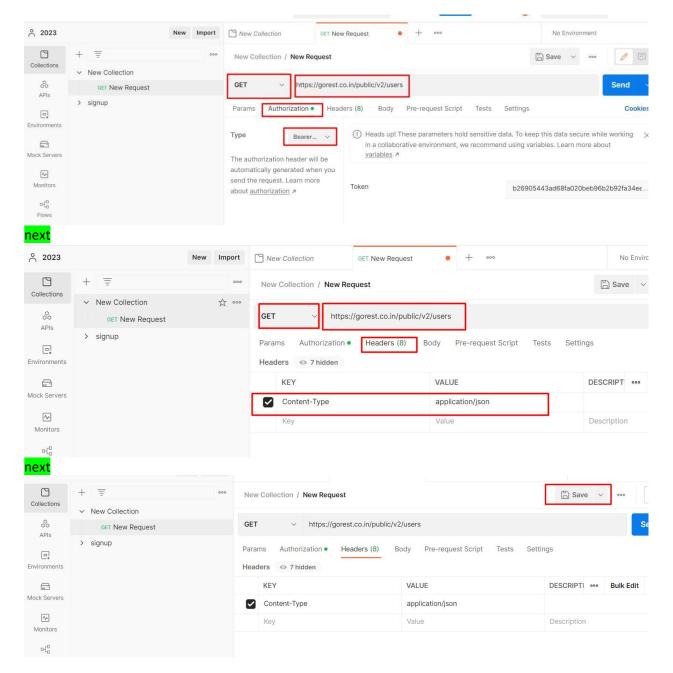
Step: now create the collection and add the many request to collection



Step: add many api request(ex. 2/3/10)



a. Add get request



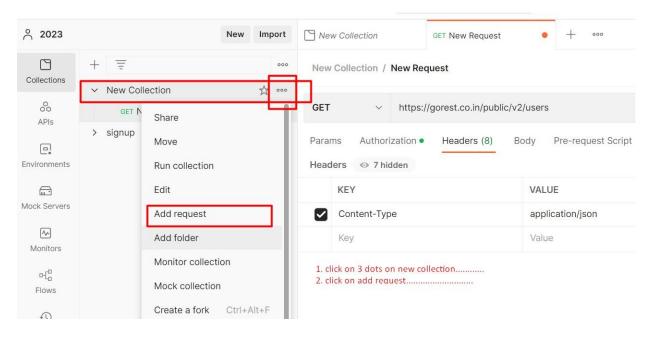
b. Add post request now(second request) it is not restricted to add get or post, you can add any request you want

Note: keep remember In case of gorest for the put and post always change the email id, otherwise you will get the error.. every time you hit the api you need to change the email id..

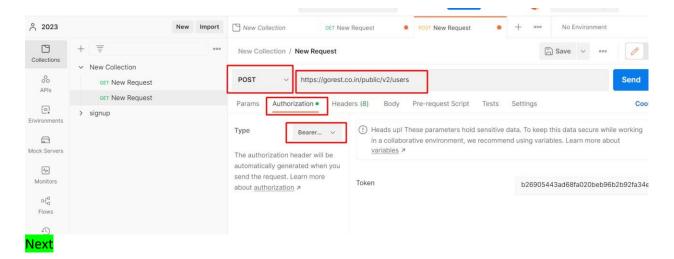
e. Because email id is unique, on the same email id you cant create duplicate data on same site/application

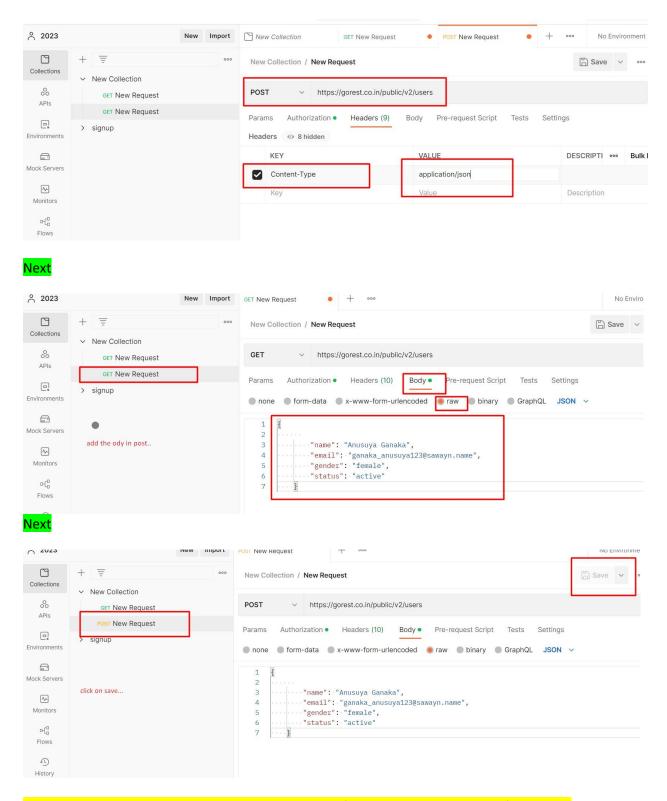
f. Note: also whenever you are doing the operation for put, you have to add the id in put url..ld you will get it from POST operation

g.



Next

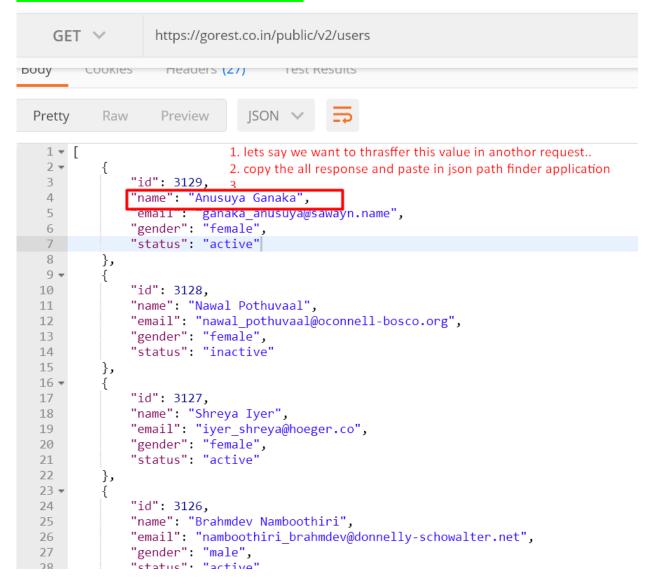




Now get and post these 2 request are created successfully, api chaining will start from here..

Step: run the get api first and select the value you want to pass in another

request and get the path of that value

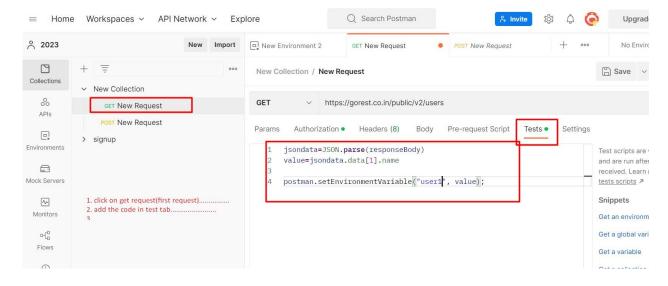


Step: now open json path finder app.

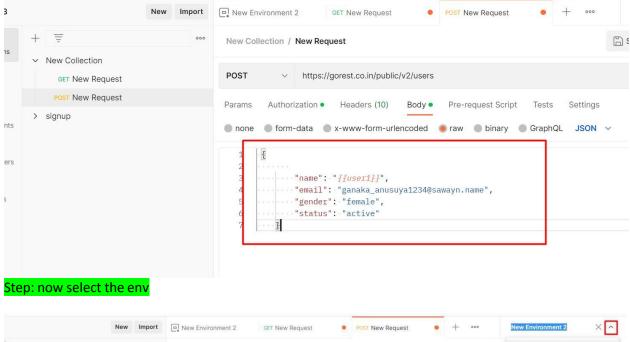
https://jsonpathfinder.com/

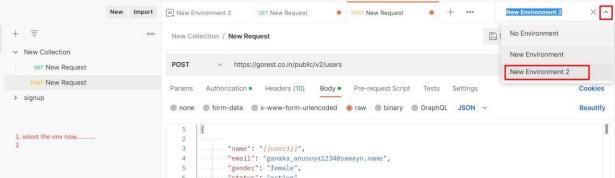


Step: open request and add code In test tab

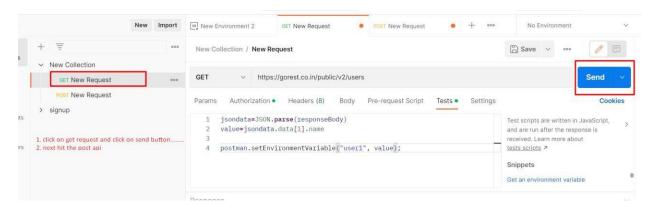


Step: now open any other request and add the variable into that request Note: change the email id always

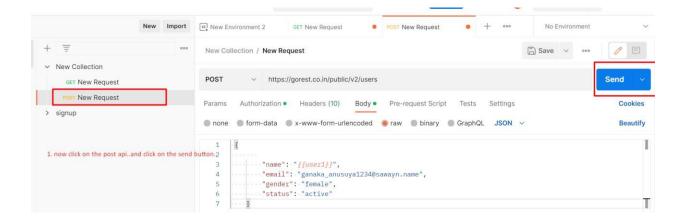




Step: Now hit the first request..click on send button



Step: now hit the next request



Step: api will het successfully and data will get created. You will be able to see the successful response