

# → Advanced features of Postman :-

## → Environments :-

→ We can go to environment section & create new environment, based on development or production.

In environment, we create variables, which contain data that needs frequent changes.

1) Create new environment. say :- DEV : fastapi

2) Create variables in environment.

Ex:-	<u>Variable</u>	<u>Initial value</u>
	URL	http://127.0.0.1:8000/

3) Go to collections & requests section, and then in the top-right dropdown menu, select the created environment.

4) Use the variables whenever needed.

For e.g.:- In the place where we write path, there, we will use variable as follow:-

$\{\{URL\}\}$  posts

will be replaced by its value

Always, the variable should be used, with the name of variable inside double braces: {{.}}

## Setting Environment variable through code :-

Till now, we are logging in using postman, copying the token generated, and pasting it into the authorization field by selecting Bearer Token type.

This manual thing can be automated in Postman. For this, steps are as follows :-

- i) Go to the login request (kept saved) in Postman
- ii) Go to the Tests tab (left to Settings)
- iii) From the Snippets available in the right, select Set an environment variable.

We get the following code :-

```
[pm.environment.set("variable_key", "variable-value");]
```

At this place, we put the environment variable name (within quotes)

Here, we put the value that we want to set to the variable.

This is the same thing that we did previously, i.e creating variable, but this is being done through code, rather than by using GUI.

• The key of token, may be, "JWT", as this will contain the token generated by login.

The value of this token must be extracted from response body.

So, our JWT comes in response, as the value of the access-token named property.

So, to have its value, we need following code:-

`pm.response.json().access_token`

As the response is in the form of JSON object | Name of the key in JSON  
| response, whose value needs to be extracted.

Thus, by using above code, the function/code to extract response token and assign it to a environment variable, is as follow:-

`[pm.environment.set("JWT", pm.response.json().access_token)]`

Now, at the place of Authorization header, in place of hard coding the token, we need to simply use the {{JWT}} environment variable.

• Main advantage of this is that, for every new response, the token will be automatically updated.