

# Postman Tutorial: Getting Started with API Testing

## Resources

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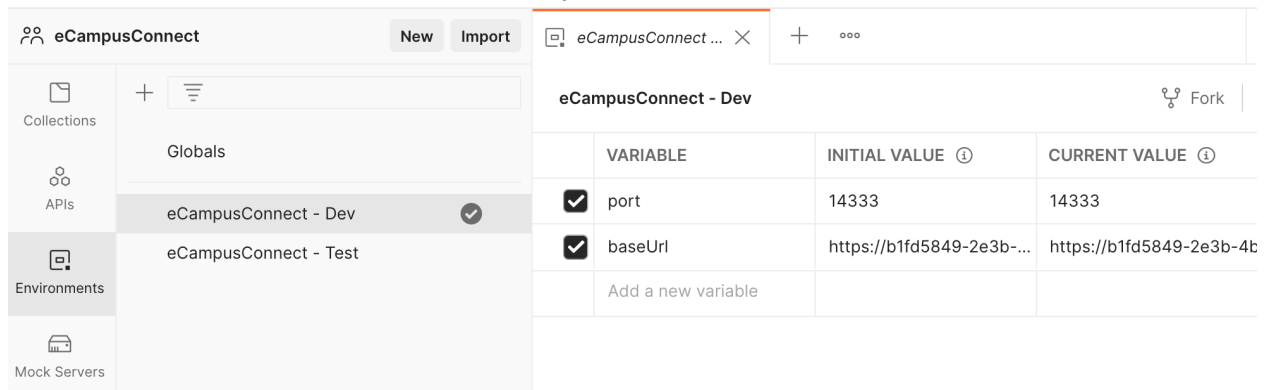
# Postman Mock Server

You can use the below mock server URL to try out the HTTP calls on your machine. It is the same mock server URL used throughout this course.

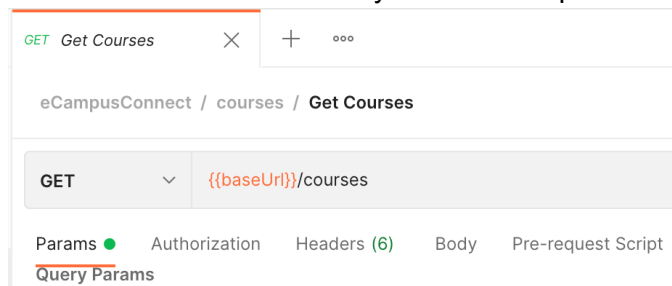
<https://b1fd5849-2e3b-4b86-8bb7-27dcbfaf5220.mock.pstmn.io>

## How to Use?

1. Create an Environment in Postman.
2. Add a new variable to this environment, say, *baseUrl*.



3. Use this variable *baseUrl* in your HTTP requests.



## ACTIVITY: Getting Started with Postman

- **True or False:** Postman isn't an API testing tool; it has evolved into a complete API ecosystem.
  - True
  - False

[Answer]
- Which among the following is **correct** about Postman?
  - You can use either a desktop app or use a Postman web app.
    - Apart from this, the remaining options are correct as well.
  - It syncs the data to the Postman Cloud for seamless usage.
    - Apart from this, the remaining options are correct as well.
  - It allows up to 3 parallel app usage per account.
    - Apart from this, the remaining options are correct as well.
  - All the above

[Answer]

## ACTIVITY: Sending HTTP Requests

- Which of the following is a **correct** usage of Postman?
  - You can send requests in Postman to connect to the APIs you are working with.
    - You can also send requests to perform CRUD operations.
  - The request sent to Postman can retrieve, add, delete, and update data.
    - Apart from this, the remaining options are correct as well.
  - You can send parameters, authorization details, and body data when sending a request to Postman.
    - Apart from this, the remaining options are correct as well.
  - All of the above.  
[Answer]
- Which statement regarding the DELETE request is **incorrect**?
  - You select the verb DELETE in Postman for this request type.
    - The DELETE verb is used to signify the removal of an item from the system.
  - It is generally supported only for individual items and not for collections.
    - As per best practices for API design, it is recommended not to expose delete functionality for collections to avoid accidental deletion of entire data.
  - Just like GET, appropriate authentication isn't needed to execute this request.  
[Answer]
    - Ideally, it should return 401 Unauthorized code for security purposes when appropriate authentication details aren't provided.
- **True or False:** An API response consists of the status code, headers, and body.
  - True  
[Answer]
  - False
    - Any response from an API server involves mainly the status code and body. Optionally, it can include 1 or more headers.

## ACTIVITY: Sending Advanced HTTP Requests

- **True or False:** Authentication is important for requests that change the data on the server, such as PUT, PATCH, and DELETE.
  - True  
[Answer]
  - False
    - To avoid accidental or intentional data change at the server, validating the user for appropriate permission is always recommended.
- Which of the following is **incorrect** about request parameters in Postman?
  - You can use parameters to pass data to a request apart from the body.
    - This approach can be used to pass additional data to a request.
  - Two ways to add them: directly in the URL or using the Params dialog.
    - You can use either of these approaches to add parameters to a request.
  - Postman doesn't support entering multiple parameters for a request.  
[Answer]
    - You can use bulk edit to enter multiple key-value pairs in one go.
  - Parameters will be automatically URL-encoded.
    - This is the default setting that automatically encodes URL values. It can be turned off if needed.
  - None of the above.
- Is the below statement **correct**?  
You can save commonly used headers together in a header preset.
  - True  
[Answer]

- False
  - Allows creating a header group for a specific API category to make it easier to manage them.

## ACTIVITY: Postman Collections

- **True or False:** Within a collection, you can create nested folders for better organization of requests.
  - True  
[Answer]
  - False
    - You can create any number and level of folders to group related requests together in Postman.
- Which among the following is **correct** about the uses of the Postman Collection?
  - Group the requests into folders.
    - Apart from this, the other uses mentioned are valid for a Collection.
  - Save related features under a single collection.
    - Apart from this, the other uses mentioned are valid for a Collection.
  - To collaborate with teammates.
    - Apart from this, the other uses mentioned are valid for a Collection.
  - To generate test suites.
    - Apart from this, the other uses mentioned are valid for a Collection.
  - All of the above.  
[Answer]
- Which statement is **incorrect** about Collections in Postman?
  - You can customize the collection properties at the individual folder levels.
    - Postman allows setting properties at the folder level, which is then applied to all the requests within that folder.
  - You can mark a collection as your favorite.
    - Marking the collection as Favorite shows them at the top.
  - You can't create variables at the collection level.  
[Answer]
  - You can configure authorization details and test scripts at the collection level.
    - These details can be configured at the collection level to apply to all the requests present within that collection.

## ACTIVITY: Postman Environments

- **True or False:** If a variable can be used across workspaces, it is known as Global Variable.
  - True
    - Global variables are those that can be accessed anywhere within a workspace.
  - False  
[Answer]
- Which statement is **correct** about the Environment?
  - Environment and Global variables are the same.
    - Although they may look similar, they are different. The main difference between them is the scope.
  - Re-ordering the variables in the environment has an impact on request processing.
    - The re-ordering is only for display.
  - You use environments to group related sets of values together.

[Answer]

- You can use more than 1 environment actively for a request.
  - At a given point in time, only one environment can be active.

## ACTIVITY: Postman Workspaces

- **True or False:** Once defined, you can't move API elements, such as collections, environments, etc., from one workspace to another.
  - True
    - You can either duplicate or move API elements from one workspace to another.
  - False

[Answer]

- Which of the following **is not** a valid scope for a workspace?
  - Private.
    - Workspace is private to you, and you can invite others to join.
  - Team.
    - All teammates can view and join as Admin or Collaborator.
  - Public.
    - Anyone can view it.
  - Partner.

[Answer]

- Personal.
  - Only you can access