

LU01.A04 - Installation and Configuration POSTMAN Frontend Simulation

Prerequisites

- Work type: Individual
- Timeframe: 20 Minutes
- Expected result: Correct installed MySQL database including operational test

Means of aid

Source	Link
Download-Link	POSTMAN.COM
Video-Tutorial Deutsch: API-Entwicklung mit POSTMAN	5_minuten_-_api-entwicklung_mit_postman-1.mp4

Introduction

Postman is a popular API development tool that enables developers, testers, and product managers to design, test, and debug APIs easily. It offers a user-friendly interface with tools for creating and managing requests, analyzing responses, and automating workflows.

The screenshot shows the Postman application interface. At the top, there's a header bar with 'GET Postman API' and a status indicator. Below it is a navigation bar with 'HTTP Postman API / Postman API' and various icons. The main area has a 'Send' button and a 'Params' tab selected. A table below shows two query parameters: one with checked checkboxes and another with unchecked checkboxes. At the bottom, there's a 'Body' tab, a preview of the JSON response, and a detailed JSON response pane.

Key	Value	Description	Bulk Edit
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			

```

1   "args": {
2     "id": "123",
3     "type": "VIP"
4   },
5   "headers": {
6     "x-forwarded-proto": "https",
7     "x-forwarded-port": "443".
8

```

Key Features of the Postman UI

1. **Collections:** Collections allow you to organize and save multiple requests. They make it easy to structure API requests into groups, which can be shared with team members for collaborative API development and testing.
2. **Requests Panel:** Postman's core functionality lies in making HTTP requests. The request builder allows you to select methods like GET, POST, PUT, DELETE, and others. You can configure parameters, headers, authorization, and the body to simulate how a client interacts with the server.
3. **Response View:** Once a request is sent, the response view displays the status, body, headers, and other response information, allowing users to inspect the API's output. This feature is crucial for debugging and understanding the API behavior.
4. **Environment Management:** Postman allows you to create environments, like production or development, where variables such as URLs and tokens can be stored. You can then toggle between environments to test your APIs under different configurations.
5. **Testing and Automation:** Postman's testing tab lets users write automated tests for each API request, using JavaScript. This makes it possible to validate responses automatically, and with the help of the Collection Runner, you can automate these tests for multiple requests at once.
6. etc.

Assignments

1. Go to the MySQL website and download the required software version.
2. Start the installation process.
3. Once the installation is complete, start the post-installation steps.
4. Open the command line/terminal on your notebook and connect to the database as shown in the video tutorials.
5. Finally, request a response from the database by entering „SELECT sysdate;“. If you have carried out all the steps correctly, the database will respond with the current date and time of your PC.
6. Thank God that you have succeeded. Otherwise, pray to God for inspiration AND a lot of patience to find the error.

Further Video Tutorials English

Source	Link
Video-Tutorial English 1: Introduction	postman_beginner_tutorial_1_-_introduction_what_is_postman.mp4
Video-Tutorial English 2: Understanding POSTMAN UI	postman_beginner_tutorial_2_-_understanding_postman_ui.mp4
Video-Tutorial English 3: First API Requests	postman_beginner_tutorial_3_-_how_to_create_first_api_request.mp4

Source	Link
Video-Tutorial English 4: Collections	postman_beginner_tutorial_4_-_what_is_collection_how_to_create_collections.mp4
Video-Tutorial English 5: Collections 2	postman_beginner_tutorial_5_-_how_to_run_collections_collection_runner_.mp4
Video-Tutorial English 6: Variables	postman_beginner_tutorial_6_-_variables_how_to_create_and_refer.mp4
Video-Tutorial English 7: SET and GET	postman_beginner_tutorial_7_-_how_to_set_and_get_variables_through_scripting.mp4
Video-Tutorial English 8: SET and GET 2	postman_beginner_tutorial_8_-_get_and_set_variables_with_scripts.mp4
Video-Tutorial English 9: Quick Scripts	postman_beginner_tutorial_9_-_how_to_create_quick_scripts.mp4
Video-Tutorial English 10: First TEST	postman_beginner_tutorial_10_-_how_to_create_first_test.mp4
Video-Tutorial English 11: DEBUG	postman_beginner_tutorial_11_-_how_to_debug.mp4
Video-Tutorial English 12: Commandline	postman_beginner_tutorial_12_-_how_to_run_from_command_line_newman_.mp4

Solution

Lösung

Vocabulary

English	German
prerequisites	Voraussetzungen



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