

Top 20 Postman Interview Questions

1. What is Postman and why is it used?

Postman is an API development and testing tool used to send HTTP requests and validate responses without writing code.

2. What types of requests can you send in Postman?

GET, POST, PUT, PATCH, DELETE, HEAD, OPTIONS, etc.

3. How do you send data in a POST request?

You can send data using `form-data`, `x-www-form-urlencoded`, `raw` (JSON/XML), or `binary` under the "Body" tab.

4. What is the difference between Params and Body in Postman?

- `Params` are used in the URL (query parameters).
 - `Body` is used to send data in the request payload.
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5. How do you pass headers in Postman?

Use the "Headers" tab to add key-value pairs like `Authorization`, `Content-Type`, etc.

6. What is Postman Collection?

A collection is a group of API requests saved together for sharing, testing, and automation.

7. How do you run a collection automatically?

Using **Collection Runner** or **Newman** (Postman CLI tool) for automation and CI/CD integration.

8. What is environment in Postman?

An environment is a set of key-value pairs (variables) like `base_url`, `token`, etc., used to run the same requests in different settings (dev, QA, prod).

9. What are variables in Postman?

Variables allow reuse of values like URLs or tokens across requests. They are declared in environments, globals, or collections.

10. What is a Pre-request Script in Postman?

It's JavaScript code that runs **before** the request is sent. Used to generate tokens, timestamps, or manipulate variables.

11. What is a Test Script in Postman?

JavaScript that runs **after** a request is executed. Used for validations like status code, response body, headers, etc.

12. Write a basic test script in Postman.

```
pm.test("Status code is 200", function () {  
    pm.response.to.have.status(200);  
});
```

13. How do you test JSON values in a response?

```
pm.test("Check name", function () {
    var jsonData = pm.response.json();
    pm.expect(jsonData.name).to.eql("Parag");
});
```

14. What is the difference between Global and Environment variables?

- **Global:** Available across all workspaces.
 - **Environment:** Specific to a particular context like dev, staging, prod.
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15. Can Postman be used for automation testing?

Yes. Collections + test scripts + Newman allow full test automation integration with CI tools like Jenkins.

16. How do you validate response time in Postman?

```
pm.test("Response time is less than 500ms", function () {
    pm.expect(pm.response.responseTime).to.be.below(500);
});
```

17. What is Newman?

Newman is Postman's command-line tool used to run collections in automation pipelines or scripts.

18. How can you test authentication in Postman?

You can test:

- Basic Auth (username/password)
 - Bearer Token (via headers)
 - OAuth 2.0 (token generation via Authorization tab)
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19. How do you export and import collections in Postman?

Collections can be exported as `.json` files and imported using the "Import" button.

20. How do you chain requests in Postman?

By storing data from one request in a variable using test scripts and reusing it in the next request using `{{variable_name}}`.