

## 🚀 Postman Interview Questions – Part 2

💡 Advanced Topics • Real-World Scenarios • Automation Focused

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### 1. How do you test file upload functionality in Postman?

Use **form-data** body type → select file key → choose file from system.

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### 2. How do you send nested JSON data in Postman?

Select **raw** → **JSON** in Body tab and send:

```
{  
  "user": {  
    "name": "Parag",  
    "email": "test@example.com"  
  }  
}
```

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### 3. What is the difference between PUT and PATCH?

- **PUT** replaces the whole resource.
  - **PATCH** updates only specific fields.
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### 4. How do you validate response time in Postman?

```
pm.test("Response time < 500ms", () => {  
  pm.expect(pm.response.responseTime).to.be.below(500);  
});
```

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## 5. How do you store and reuse response values?

```
pm.environment.set("userId", pm.response.json().id);
```

Then use `{{userId}}` in next requests.

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## 6. What is Collection Runner in Postman?

It allows running an entire set of requests (collection) with test data in iterations.

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## 7. What is the use of Pre-request Script in Postman?

Used to run JavaScript **before** the request — often for generating tokens, timestamps, or setting variables.

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## 8. How do you use dynamic variables in Postman?

Use:

```
{{$randomEmail}}, {{$randomInt}}, {{$guid}}, {{$timestamp}}
```

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## 9. What are environments in Postman?

Environments allow using different variable sets like base URL, auth tokens — useful for switching between dev/stage/prod.

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## 10. What is Newman in Postman ecosystem?

Newman is the command-line tool to run Postman collections in CI/CD pipelines or scripts.

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## 11. How can you import test data in Postman?

Use **Collection Runner** with CSV or JSON files for data-driven testing.

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## 12. How do you run Postman tests in Jenkins?

Install Newman in Jenkins and use CLI:

```
newman run collection.json -e env.json
```

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## 13. How can you validate a specific JSON field?

```
pm.test("Validate username", () => {
  pm.expect(pm.response.json().username).to.eql("parag123");
});
```

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## 14. What are global vs environment variables?

- **Global:** Available across all workspaces.
  - **Environment:** Scoped to specific collections/sessions.
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## 15. What's the Postman Console used for?

To debug requests, log data (`console.log()`), and inspect errors during request execution.

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## 16. Can you write conditional tests in Postman?

```
if (pm.response.code === 200) {
  pm.test("Success", () => true);
}
```

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## 17. How do you handle authentication in Postman?

Use the **Authorization** tab to configure:  
Basic Auth, Bearer Token, OAuth 2.0, or API key.

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#### **18. What are monitors in Postman?**

They run collections on schedule (like uptime checks or health checks) and notify on failures.

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#### **19. How do you handle pagination while testing APIs?**

Manually update query params like `?page=2` or use a loop in test scripts to fetch paginated results.

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#### **20. Can Postman be used for automated testing?**

Yes, by combining **Collections + Tests + Newman + CI tools** like Jenkins or GitHub Actions.