

## API Answers (Screenshot)

### API Testing Tasks & Answers

#### 1. Validating Response Codes

**Scenario:** A company has an API that provides user data. You need to verify that the API returns the correct response codes based on different request conditions.

#### Steps:

1. Send a GET request to `/api/users/1`.
2. Send a POST request to `/api/users` without required fields.
3. Try accessing `/api/protected-resource` without authentication.

#### Expected Results:

Request	Expected Response Code	
GET <code>/api/users/1</code>	200 OK	
POST <code>/api/users</code> (missing fields)	400 Bad Request	
GET <code>/api/protected-resource</code> (unauthorized)	401 Unauthorized	

**Student Guidance:** Explain why different status codes exist and how they help debug API behavior.



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OverviewGettingGET Get ResPOST Post RGET protectrGET data typOST Valid!POST InvalidGET UntitledVerifying+API Task1 DPEI

Collections

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> Authentication & Authorization Testin...

> Validating Response Codes Task 1

GET Get Response

POST Post Response

GET protected-resource without au...

> Verifying API Response Data Task2

Environments

Flows

History

HTTPValidating Response Codes Task 1 / Get Response

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GEThttpbin.org/getSend

ParamsAuthorizationHeaders (6)BodyScriptsSettingsCookies

Pre-request

Post-response \*

```
1 pm.test("Status code is 200", function () {
2   pm.response.to.have.status(200);
3 });
4 pm.test("Response time is less than 3000ms", function () {
5   pm.expect(pm.response.responseTime).to.be.below(3000);
6 });
7 pm.globals.set("token100", "pm.response.json().uuid");
```

Packages</> Snippets

BodyCookiesHeaders (7)Test Results (2/2)

200 OK2.83 s601 BSave Response

{ } JSON

PreviewVisualize

```
1 {
2   "args": {},
3   "headers": {
4     "Accept": "*/*",
5     "Accept-Encoding": "gzip, deflate, br",
6     "Host": "httpbin.org",
7     "Postman-Token": "8a40fab5-f874-45ca-b0ee-f0179c467826",
8     "User-Agent": "PostmanRuntime/7.43.3",
9     "X-Amzn-Trace-Id": "Root=1-67f7f0bf-734b4fc94cae5b47b59ec7c"
10  },
11   "origin": "45.97.189.208",
12   "url": "http://httpbin.org/get"
13 }
```

OnlineFind and replaceConsole

PostbotRunnerStart ProxyCookiesVaultTrash

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Validating Response Codes Task 1protected-resource without authentication

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GEThttp://httpbin.org/basic-auth/user/passSend

ParamsAuthorizationHeaders (6)BodyScriptsSettingsCookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

BodyCookiesHeaders (7)Test Results401 UNAUTHORIZED1.15 s250 BSave Response

RawPreviewVisualize

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OnlineFind and replaceConsole

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