* Overview of REST APIs
* Overview of GitHub Developer APIs
* Validate GET API using curl
* Overview of [Status Codes](https://en.wikipedia.org/wiki/List_of_HTTP_status_codes)
* Overview of REST Payload
* Overview of Authentication in REST APIs
* Generate API Key in GitHub
* Passing API Key for Authentication

1. What does REST stand for?

a) Representational State Transfer

b) Remote State Transfer

c) Remote State Transmission

d) Representational State Transmission

Answer: a) Representational State Transfer

1. What is the purpose of GitHub Developer APIs?

a) To provide access to GitHub’s user interface

b) To enable developers to integrate GitHub functionality into their applications

c) To manage user accounts on GitHub

d) To provide a platform for coding challenges

Answer: b) To enable developers to integrate GitHub functionality into their applications

1. How can you validate a GET API using curl?

a) Send a POST request to the API

b) Send a GET request to the API with the -v option

c) Send a DELETE request to the API

d) Send a PUT request to the API

Answer: b) Send a GET request to the API with the -v option

1. What do status codes indicate in REST APIs?

a) Whether the API request was successful or not

b) The content of the response from the API

c) The type of authentication used in the API

d) The type of payload in the API response

Answer: a) Whether the API request was successful or not

1. What is a REST payload?

a) The data sent in a request to a REST API

b) The HTTP headers of a REST API request

c) The authentication credentials for a REST API

d) The response code from a REST API

Answer: a) The data sent in a request to a REST API

1. What is authentication in REST APIs?

a) The process of ensuring that the user has the necessary permissions to access the API

b) The process of encrypting the data sent in a REST API request

c) The process of encoding the data sent in a REST API request

d) The process of decoding the data received in a REST API response

Answer: a) The process of ensuring that the user has the necessary permissions to access the API

1. How can you generate an API key in GitHub?

a) By going to your account settings and clicking on “Generate API Key”

b) By sending a request to GitHub’s API Key generation endpoint

c) By requesting an API key from GitHub’s support team

d) GitHub does not provide API keys

Answer: a) By going to your account settings and clicking on “Generate API Key”

1. How do you pass an API key for authentication in a REST API request?

a) Include it in the URL of the request

b) Include it in the body of the request

c) Include it in the headers of the request

d) Send it as a separate email to the API provider

Answer: c) Include it in the headers of the request

1. What is the purpose of the HTTP verb PUT in a REST API?

a) To create a new resource

b) To retrieve a resource

c) To update a resource

d) To delete a resource

Answer: c) To update a resource

1. What is the purpose of the HTTP verb DELETE in a REST API?

a) To create a new resource

b) To retrieve a resource

c) To update a resource

d) To delete a resource

Answer: d) To delete a resource