

RESTful API Quiz – Detailed Answers

1. REST stands for **Representational State Transfer**. It's an architecture style for designing networked applications, using standard HTTP methods to access resources.

2. Correct: a) GET, POST, PUT, DELETE

- GET – Retrieve data
- POST – Create data
- PUT – Replace/update existing data
- DELETE – Remove data

3. The GET method is used to fetch a resource without changing it. It's a read-only operation.

4. Correct: a) 200 – Indicates success.

- 404: Not Found
- 500: Server Error

5. CRUD = Create, Read, Update, Delete. These are the main operations in any data-based API.

6. Correct: b) /users/5 – RESTful design uses path parameters rather than query strings.

7. 404 Not Found – The server can't find the requested resource.

8. An endpoint is a URL where the API can access a specific resource (e.g., /products, /users/10).

9. Correct: c) Both a and b

Most REST APIs use **JSON**, though **XML** is also supported.

10. The PUT method is used to fully update or replace a resource. If a field is missing in the request, it will be overwritten.