Question 1: Single Selecct

Which of the following best describes the concept of "resources" in a REST API?

- A) Resources are specific database tables that an API interacts with.
- B) Resources are entities uniquely identified by URLs, representing data or functionality.
- C) Resources are server-side functions that handle API calls.
- D) Resources are JSON payloads that clients send to the server for processing.

Correct Answer: B

Question 2: Single Selecct

What is one of the key differences between REST and GraphQL?

- A) REST supports multiple HTTP methods, while GraphQL supports only GET and POST.
- B) REST provides a single endpoint, while GraphQL has multiple endpoints for each resource.
- C) REST revolves around resources and their representations, while GraphQL revolves around hierarchical queries and a single endpoint.
- D) REST does not support caching, while GraphQL does.

Correct Answer: C

Question 3: Multi Selecct

In the context of clean architecture, which of the following design decisions would violate its core principles? (Choose all that apply.)

- A) Allowing the controller layer to directly query the database for specific records.
- B) Including business rules or application logic within the service layer.
- C) Allowing the service layer to depend on framework-specific tools like `NextResponse`.
- D) Creating reusable workflows within the service layer that are decoupled from specific use cases.

Correct Answers: A, C

Question 4: Multi Selecct

Which of the following are advantages of adhering to clean architecture principles? (Choose all that apply.)

- A) The codebase becomes easier to test due to decoupled layers.
- B) Performance is maximized as business logic is kept in the controller layer.
- C) Frameworks can be swapped out with minimal changes to the core logic.
- D) The application can easily scale as new features are added.
- E) Domain logic can be reused across different entry points, such as APIs and SSR.

Correct Answers: A, C, D, E