

1. In MVC architecture, which component is primarily responsible for managing the business logic and data of an application?

- A) View
- B) Controller
- C) Model
- D) Router

Answer: C) Model

2. Which MVC component directly interacts with user inputs and decides which model method to call?

- A) View
- B) Controller
- C) Model
- D) Database

Answer: B) Controller

3. In a typical web MVC framework, what is the correct sequence of flow when a user submits a form?

- A) Controller → Model → View
- B) View → Model → Controller
- C) Controller → View → Model
- D) Model → Controller → View

Answer: A) Controller → Model → View

4. Which of the following statements about MVC is FALSE?

- A) The View component should never contain business logic
- B) The Model component directly updates the View when data changes
- C) The Controller acts as an intermediary between Model and View
- D) Multiple Views can display the same Model data in different formats

Answer: B) The Model component directly updates the View when data changes

*(Note: In classic MVC, Model notifies the View, but in web MVC variations, the Controller typically updates the View)*

5. What is one of the main benefits of using MVC architecture?

- A) It eliminates the need for any controller code
- B) It allows database queries to be written directly in the View
- C) It promotes separation of concerns and improves maintainability
- D) It combines all application logic into a single file for simplicity

Answer: C) It promotes separation of concerns and improves maintainability