

Layered Architecture Interview Questions

1. What is software architecture?
2. Why do we need software architecture?
3. What is MVC.?
4. What is the difference between Layered and MVC architecture?
5. Describe the layers of Layered Architecture?
6. What are the rules which we should not violate while creating a software architecture?
7. What is cohesion?
8. What is loose Coupling, and why should we use it.?
9. How to apply loose Coupling for two Tightly Coupled classes.?
10. Explain what are boilerplate codes?
11. State disadvantages of having boilerplate codes?
12. What is Dependency Injection?
13. Explain about Dependency Injection methods.
14. What are Design Patterns.?
15. Explain about the design pattern which you used in the project.
16. Why did you use the Factory Design Pattern?
17. What is Facade?
18. Why did you use the Singleton Design Pattern?
19. Where did you use the Strategy Design Pattern and explain why?
20. Explain the responsibility of the DAO layer.
21. Explain the responsibility of the Business Layer.
22. Why did you add a SuperDAO interface in the DAO Layer?
23. Explain why you added the CrudDAO interface and why did you use generics inside it?
24. Why did you add a custom package to the DAO Layer and what's the use of interfaces inside it?
25. What is the responsibility of the Controller?
26. Explain why you create a CrudUtil (SQLUtil)?
27. Where did you handle transactions on this project?
28. What is the difference between Entity and DTO?
29. Why did you create a SuperBO in Business Layer? Explain.
30. Where can we write down a join query in your project?
31. Explain the data flow from Views to Data Layer.
32. What are the OOP concepts which you have used in layered architecture.?

33. Name a place where you used Inheritance.
34. Name a place where you used runtime polymorphism.
35. Name a place where you used encapsulation.
36. Name a place where you used compile time polymorphism.
37. What is the OOP concept which you used while applying loose coupling.?
38. Name a place where you used abstraction.
39. What are enums.?
40. What are the benefits of using layered architecture over MVC.?