

Caspex - June 2024 - Questions

Swift Language and Features

1. What is a mutation function in Swift, and how is it used?
2. What is an associated type in Swift, and how is it used in protocols?
3. Can we create stored properties inside an extension of any class or struct in Swift?
4. What are convenience and designated initializers in Swift, and how do they differ?
5. What are the latest updates in the Swift programming language?
6. What are actors in Swift?

Testing and Code Coverage

7. What is code coverage?
8. What is the lifecycle of a test case in Swift?
9. Do you test API calls in your applications?

CI/CD and Pipeline

10. What is CI/CD?
11. Have you made any changes to the CI/CD pipeline, and how did you handle them?

Software Architecture

12. Which software architecture patterns have you worked with in your projects?
13. What is Clean Architecture?
14. What is the Dependency Inversion Principle?
15. What is the Repository Pattern, and how is it implemented in Swift?
16. What is the Coordinator Pattern in Swift?

Networking and Security

17. How do you call a REST API in Swift?

18. How do you convert JSON data to model objects in Swift?

19. What is SSL Pinning, and how is it implemented in iOS applications?