

Type	No	Questions	Count
Database Questions, Core Data and sqlite, UserDefaults, plist	1	Difference between Sqlite vs Core Data?	
		- Which is faster between Sqlite vs CoreData?	
		- Why Core Data is faster than Sqlite?	
		- Graph vs Rational database?	
		- What are the benefits of using core data?	
	2	Steps of Sqlite Implementation in project?	
	3	Can Sqlite and Core Data exists in same project?	
	4	Do you know anything about Core Data disk storage?	
	5	What is NSPredicate , NSManagedObject and NSManagedObjectContext?	
	6	What is NSFetchedResultsController?	
	7	Multi-threaded core data.	
		- Can Core data be multi-threaded?	
		- How Core Data works in mutli- threaded environment?	
		- How to make Core Data thread safe?	
		- How to merge private context to main context in Core Data?	
		- Can we delete and add rows same time in Core Data?	
	8	In Core Data, How to fetch top 5 highly paid employees? And If there are only two employees in records?	
	9	Which data type for storing images in Core Data?	
	10	What is Fault in CoreData?	
	11	How you decide when to use Core Data or when to use others?	
	12	How to save secure private data in documents?	
	13	How to delete all values of UserDefaults?	
	14	How to secure data in UserDefaults that it can not be read by someone?	
Soap, Rest, XML, JSON, Internet connectivity, AFNetworking and webservice	1	Difference Between XML and JSON?	
		- How do you parse JSON?	
		- How do you parse XML?	
	2	What is REST?	
	3	What is SOAP?	
		- Difference between SOAP and JSON?	
		- What is the main difference between SOAP and REST?	
	4	Difference Between HTTP POST, GET, PUT and DELETE?	
		- Error handling in POST Request?	
		- What is the benefit of using DELETE?	
	5	What is AFNetworking?	
		- Why do use AFNetworking?	
		- How does AFNetworking works?	
		- If you are pointing to a secure server using AFNetworking. What are the changes you need to make?	
	6	What is NSURLConnection? Difference between NSURLConnection vs NSMutableURLConnection?	
	7	How to check if you are connected to internet or not?	
	8	How to do live streaming buffering?	
	9	Webservices and/vs API ?	
	10	What you do to uploading Images and videos?	
	11	Do you have any experience in creating web services?	
Properties, Retain count	1	Why we use Properties	
		- What is readOnly property?	
		- Can readOnly property have setter method?	
		- Can we overwrite readOnly property?	
		- How to assign value to read only property?	
	2	Different Between weak, strong ,assign and copy?	
		- Weak vs Assign	
		- Weak vs Strong (retain)	
		- Assign vs Strong (retain)	
		- Copy vs Strong (retain)	
		- IBOutlet should be Weak or Strong?	
	3	What is Copy?	
		- What is Mutable Copy	
		- Copy vs Mutable Copy	
		- Shallow Copy vs Deep Copy	
	4	Difference between Automic vs Nonatomic?	

	5	ARC is CompileTime or Runtime?	
	6	What is Synthesize. Why do we Synthesize Properties?	
	7	What is retain Count?	
	8	What is retain cycle?	
	9	What is Bridge-transfer?	
	10	What is Unsafe Unretained?	
	11	What is NSCopying Protocol?	
	12	What is NSCoder?	
Singleton Pattern	1	What is a Singleton Class?	
	2	What is shared instance?	
	3	How to create a Singleton Class?	
	4	Can we inherit Singleton Class?	
	5	Is AppDelegate a singleton Class?	
	6	Can we make AVMediaPlayer a singleton class?	
	7	What is UIApplicationClass?	
	8	Can we make UIViewController Class Singleton?	
	9	IF we write Obj *obj = [[obj alloc] init]; and rewrite it again Obj *obj = [[obj alloc] init]; Then it will be singleton or not?	
Thread, Multi-thread, GCD and NSOperationQueue	1	What is NSOperation and NSOperationQueue?	
	2	Parallel operations in NSOperationQueue?	
	3	What is GCD? What are the different types of GCD?	
		- Difference Between Serial vs Parallel GCD?	
	4	Difference between GCD vs NSOperationQueue? Which one you preferred?	
	5	What is dispatch_sync?	
	6	What is dispatch_once?	
	7	Difference between dispatch_sync vs dispatch_once?	
Xib , Storyboard, IBOutlet, Auto-Layout	1	Full form of XIB	
		- Other way of putting view objects in XIB file?	
	2	Difference Between Storyboard vs Coding?	
		- Advantages and Disadvantages of using Storyboard?	
		- How you decide when to use one Storyboard or multiple Storyboards?	
		- If we need multiple Storyboards for different screen sizes?	
		- How many Storyboard required for universal app?	
		- Can we segue from one Storyboard VC to another Storyboard VC?	
		- Do you have experience in working with multiple Storyboards?	
		- When we do segue from Login VC to Dashboard VC. How to check Username-Password valid or not. If valid then go to dashboard else not go	
	3	What is Auto-Layout?	
		- What are Auto-Layout Constraints?	
		- What are Auto-Layout necessary Constraints?	
		- What is constraints is broken in Autolayout?	
		- How to manage removing and adding subview in case of Auto-Layout? What is the property for that?	
		- What are Size Classes?	
		- How to put some constraints to a particular size class only in Size Classes?	
		- Auto-Layout vs Size Classes vs Coding?	
	4	What are the different ways to create UIViews Objects?	
APNS	1	What is the Structure of Push Notification?	
	2	How do Push Notification works? Process of APNS?	
	3	What is the length of Push Notification?	
	4	Can we send image in Push Notification?	
	5	What is Device Token? Is it unique for each Device or APP?	
	6	What will happen if user's internet is not working or User is not connected to internet. Will the user receive remote notification or not?	
Swift	1	What is Swift Language?	
	2	Difference between Swift and Objective-C?	
	3	Why do you want to work in swift?	
	4	What are Closures in Swift?	
	5	What is Gaurd in Swift?	
	6	Have you worked in Swift yet?	
	7	Have you did any project in swift	

Application States, App delegate, App in background and Application life cycle	1	What is Application Life Cycle?	
	2	What are different Application States (app states)?	
	3	If you receive phone call at that time phone goes to which state?	
	4	What will happen when you are uploading a video and you receive a phone call?	
	5	How to run api in background?	
		- Can UI be updated when app is in Background?	
		- How to update location on server when app is in Background?	
		- How to upload a video from Background?	
		- If you put some data in a VC Form. You go to background and come back then the form should be clear. How will you do that?	
	6	What is Structure of Main class?	
	7	What will happen if we return No in applicationDidEnterBackgroundWithOptions?	
Design Pattern (MVC, Notification, Delegation)	1	What are Design Patterns?	
	2	Explain Design Pattern other than MVC?	
	3	What is MVC Pattern?	
		- How do you implement MVC in your Project? example	
		- MVC, MVC in terms of your project, MVC in terms of .h, .m, .xib?	
	4	What is Delegation Pattern?	
		- Syntax of Delegate?	
		- What is @protocol?	
		- Can we implement delegate in the same class where it is declared?	
		- Method in protocol are required or optional by default?	
		- If we have two VC classes 1 view class and 2 downloading class. Write the code to notify view class that download is complete?	
	5	What is Notification Pattern?	
		- What is NSNotificationCenter?	
		- NSNotification Post is asynchronous or synchronous?	
	6	What is Category Pattern?	
		- Difference between Category and Extension?	
		- Difference between Category vs Subclassing?	
	7	What is KVC Pattern?	
		- Difference between KVC and KVO?	
	8	MVVM - Model View View Model Pattern	
	9	Difference between Delegation vs Notification?	
		- Which to use when	
	10	Difference between Method vs Selector?	
		- [self functionName] vs perform selector	
	11	Have you created your own design Pattern?	
In App Purchase and GameCenter	1	What is IAP?	
	2	What are the different types of IAP?	
	3	Difference between Consumable vs Non-Consumable IAP?	
	4	How to restore already purchased IAP?	
		- If purchased non consumable IAP be retrieve to user's other device with same APP ID?	
		- If purchased IAP need to be buy again after deleting and reinstalling app? If there is time period of not buying IAP again?	
	5	If your app is not connected to server and you have some IAP which unlocks after purchasing something? How it will work?	
	6	How to play different music while receiving push notification?	
	7	What is Game Center?	
		- How to implement game center?	
		- What are the Achievement and Leaderboard delegate of game kit class?	
Location , Mapkit, googleMap	1	Have you worked on Google Maps	
	2	What is Geo Fencing?	
	3	What is Region Monitoring?	
		- If your app have location based offer? What should be the architecture of the app. App is in background to check offer if you go near by that location for ex. McDonalds	
	5	How to update Location on server when app is in background?	
	6	What is transit?	
Objective C,iOS, NSObjects and differences	1	What is Method Swizzling?	
	2	Static Method vs Class Method?	
		- How to override Static Method?	
	3	Inheritance in objective C?	
	4	What is NSTimer?	
	5	What are Blocks?	

		- How Block works?	
		- Syntax of Block?	
		- What are the benefits of using Blocks?	
		- How to make a property of Block and What should be the property?	
	6	Asynchronous Vs Synchronous?	
	7	nil vs NULL	
	8	What is Tap Gesture?	
		- Gesture Recognition Delegate	
	9	Have you created your own Custom alertView?	
	10	What happen if we Autorelease object two times?	
	11	What is Deep Linking?	
	12	What is ID Designable?	
	13	How to show save done button above keyboard ?(textfield input options) ?	
	14	Can we show splash screen for the first time only?	
<b>Non Technical Questions</b>	1	How do you update yourself with new technology and codes?	
	2	Why should we hire you?	
	3	Which one is the most challenging project you ever done?	
	4	Why PHP is preferred in iOS Development for web - services?	
<b>Social Network Facebook, Twitter, Linkedin, Email and Messages etc</b>	1	How to do Facebook Integration in app?	
		- If we login through facebook , What Facebook will provide in return?	
		- Can we fetch facebook Friends?	
	2	How to do Twitter Integration in app?	
	3	Which framework is used to send email and messages?	
		- Can we add more than one recipients in MFMessageComposeViewController ?	
<b>Memory Management, Unit testing, Profile and instruments</b>	1	Instruments shows which type of memory real or virtual?	
	2	Have you worked on UITesting iOS Automation?	
	3	Have you worked with Unit testing in iOS?	
	4	what do you do to manage memory?	
<b>Other Programing , Operation System , Data structure</b>	1	What is Paging Swap in - swap out?	
	2	Difference between Real memory vs Virtual memory?	
	3	Write the program to remove duplicate values form array in C?	
<b>App Submission, App versioning control, Git, SVN, test flight, cocoa pods</b>	1	What are the Steps of Uploading App to App Store?	
		Can we submit two Apps with the same name? Can We submit app for a particular country? Suppose I submit it for India ,after some time can i submit it for Austraila with the same name ?	
	3	How to know how many people have installed our app or someone uninstalled?	
	4	How to work in Github?	
		- What are branches?	
		- How to manage branches?	
		- What do you use for version control?	
		- While working on Git. Suppose there are many different developes working on the project. How do you identify if one of developer commit a bad code that effects the other functionality?	
	5	What is Cocoa Pods.	
		- How to work in Cocoa Pods?	
<b>Bluetooth, Hardware connection</b>	1	How to take print from iOS App?	
		- What is the use of UIPrintInteractionController?	
	2	Have you worked on Bluetooth based Apps?	
		- How to transfer data via Bluetooth?	
		- Any work withThird Party Bluetooth Device Management?	
<b>XMPP</b>	1	How to fetch chat history in xmpp?	
	2	What are Roasters?	
	3	XMPPFramework is socket or websocket based?	
<b>Address Book</b>	1	How to fetch contacts from AddressBook?	
		- Good way to fetch 1000 contacts so that the app will not hang?	
<b>Images and videos</b>		If we are playing a video through media player. Suppose 30 % of video have been played and than we rotate the device. The video will resume and play forward to 30 % or will start from 0 agian?	
	2	Image is 100 by 100. Display that image in 500 *500 without scaling and it should cover all area?	

	3	How to do zoom in and zoom out of a image?	
	4	How to make video from images?	
<b>NSArray , NSString, NSDictionary, NSSet</b>	1	Difference between NSSet Vs NSArray?	
		- Difference between NSArray - arrayWithObjects vs alloc init	
		- How to remove duplicate values form NSArray?	
		- How to make NSMutableArray from NSArray	
		- VC A has property array with 5 objects if I transfer that array to VC B. Than If I delete last object in VC B. than array in VC A will have 4 objects or 5	
		- How to add value to a particular index in NSArray?	
	2	Difference between NSString and NSMutableString?	
<b>Tableview, collectionview, scrollview, Pickers</b>	1	Difference between Tableview vs CollectionView?	
		- What is Reuse Identifier?	
		- How to do Paging in UITableView after reaching last indexPath it refresh to more rows like in facebook app?	
		- Can we scroll tableview horizontally?	
	2	How to use different size cell in same CollectionView?	
	3	How to pass swipe gesture from collectionview to backview?	
	4	How to do pull to refresh?	
<b>Payment Gateways</b>	1	Have you worked in Any Payment gateway integration?	
	2	How do you validate correct debit or credit card?	
	3	How to customise payment gateway payment view. what are things to be consider while using payment gateways?	
<b>Xcode , iOS</b>	1	What are the new features in iOS 9?	
	2	Which XCode version you are using and Which is the latest one?	
	3	How to do force upload new iOS APP version?	
	4	What is App Extension?	
	5	Suppose you are working with some third party library and that is not working in iOS 9. what will you do in that case that your project will not effect in iOS 9?	
<b>Library, Framework and Third Party Framwork</b>	1	How to create Static library?	
	2	What is Flurry?	
	3	What do you do for App Native Security. Not the Http security?	
<b>Others</b>	1	Any Experience in Cross Pitaform Development?	