Question 1 - What have you learned recently about iOS development? How did you learn it? Has it changed your approach to building apps?

Since 2014, After Swift announced to world, I was incredibly excited to learn it. I have learned to code, build and deploy mobile applications. I have been following blogs and online tutorial like **swiftdeveloperblog.com, natashatherobot.com, Udacity.** Swift was easy to adopted because it is easy compared to Objective C. Doing more practices making new application while adding new features.I learn more about Cocoa pods, Xib files, Protocols and Delegates, how to reuse the code. I am more prepared to solve complex applications.

Question 2 - Can you talk about a framework that you've used recently (Apple or third-party)? What did you like/dislike about the framework?

Recently I have used Firebase framework, Now they have added awesome authentication APIs of Twitter, Github with Facebook. I really liked it not using different frameworks for login authentication.I really like that same method of handling authentication can be used for more than Facebook, Github, Twitter and even anonymous users.

Question 3 - Describe how you would construct a Twitter feed application **(here is an example of Udacity's Twitter feed)** that at minimum can display a company's Twitter page. Please include

```
}
```

information about any classes/structs that you would use in the app. Which classes/structs would be the model(s), the controller(s), and the view(s)?

First I like to break the app in MVC architecture.

Controllers

LoginController

TwitterFeedController(Table view)

Model

TwitterClass(Manage Login)

TwitterFeedClass(Manage Posts)

Views

TwitterFeedCells (userName, date ,Title Text, Summary Text, Image, Like Button, Settings)

From MVC it is easy to get idea about core data and structure or classes.

```
Class Twitter
{
  var likes: Int
  var postTitle: String
  var post summary: String
 var postDate: NSDate
var postImage: UIImage

// Authenticate user using Twitter API or Firebase API
}
```

```
Class TwitterFeed
{
// save the Post in Firebase
}
User Interface
// Allow user to enter Post title,Add summary, Add picture, Likes
// Allow user to select image from Photo Album or from Camera - if
Camera device is not supported than camera will be disabled
```

Question 4 - Describe some techniques that can be used to ensure that a `UITableView`containing many `UITableViewCell` is displayed at 60 frames per second.

A table view uses cell object to draw its rows visible.cell object is reusable with identifier(dequeueReusableCellWithIdentifier). Tableview asks data source to configure a cell object to display data in cell.At runtime the data source dequeues cells, prepares them and gives them to its table view for drawing the rows. We can not bind data before CellForRowAtIndexpath because cell has to return as quick as possible.Instead of binding data to all tableview cells, Data binding to cell method should be call exactly before showing the cell.

Question 5 - Imagine that you have been given a project that has this **ActorViewController**. The`ActorViewController` should be used to display information about an actor. However, to send information to other ViewControllers, it uses NSUserDefaults. Does this make sense to you? How would you send information from one ViewController to another one?

NSUserDefaults is not right approach here to pass Actor information from one controller to another.NSUserDefault is good if you want to keep your data live as long as the app is installed, once the app is removed this will reset automatically. We can save Actor's information in Structure.We can send information making object of View controller in prepareForSegue Method and pass values or we can create SharedInstance Object. Singleton is basically global object to access variable or function, you have to be very careful when you are mentioning MVC architecture. Thats why I would use PrepareForSegue, it's a good cause to pass information to another controller.

Question 6 - Imagine that you have been given a project that has this **GithubProjectViewController**. The `GithubProjectViewController` should be used to display high-level information about a GitHub project. However, it's also responsible for finding out if there's network connectivity, connecting to GitHub, parsing the responses and persisting information to disk. It is also one of the biggest classes in the project.
How might you improve the design of this view controller?

I would break it in 2 different classes.
in View controller class i keep only UI related codes not NS

1) GithubClass- managed data for persistent- add remove or edit
2) GithubAPI- manage Api connection ,parsing, network connectivity

Question 7 - If you were to start your iOS developer position today, what would be your goals a year from now?

If I start this position today than I want to grow personally and professionally within this company. Improving my knowledge, skills and ability to handle complex projects, in future I want to see my self as a leader position. This role will be benefit me to develop more skills and my confident level will be on another level.