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## **CocoaPods & Third Party Integration / Dependency Manager/ Frameworks**

Q1. Explain the pod integration cycle.

Through its cycle, a Pod can attain following states:

**Pending:** The pod is accepted by the Kubernetes'(open source platform that automates Linux container operations) API but it hasn't been scheduled onto the machine.

**Creating:** The image needs to be pulled which is in some cloud based repository. The node in the VM is going to the repository and pulling the image towards itself. Once the image has been pulled, the container transitions into the running state.

**Running:** The pod is scheduled on a node and all its containers are created and at-least one container is in Running state.

**Succeeded:** All containers in the Pod have exited with status 0 and will not be restarted. The program does not crash.

**Failed:** All container of the Pod have exited and at least one container has returned a non-zero status.

**CrashLoopBackoff:** The container fails to start and is tried again and again.

Q2. How to update only a single pod.

There are two ways to update a single pod.

First way is to install the gem again using : **\$ [sudo] gem install cocoapods**

Second way is to use **pod update PODNAME** in which CocoaPods will try to find an updated version of the pod PODNAME, without taking into account the version listed in Podfile.lock. It will update the pod to the latest version possible (as long as it matches the version restrictions in the Podfile).

Q3. Delete a pod from project.

Open terminal on Mac. In terminal navigate to your Xcode Project directory with `cd`

In terminal type: `sudo gem install cocoapods-deintegrate cocoapods-clean`

In terminal type: `pod deintegrate`

In terminal type: `pod clean`

In terminal type: `rm Podfile`

Q4. Update to a particular lib version.

```
1 # Uncomment the next line to define a global platform for your project
2 # platform :ios, '9.0'
3
4 target 'CocoaPodsDemo' do
5   # Comment the next line if you don't want to use dynamic frameworks
6   use_frameworks!
7
8   # Pods for CocoaPodsDemo
9   pod 'SVProgressHUD'
10  pod 'AFNetworking', '~> 2.6'
11
12 end
```

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Q5. Make use of Alamofire pod and demonstrate the above with the same.

```
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2 # platform :ios, '9.0'
3
4 target 'CocoaPodsDemo' do
5   # Comment the next line if you don't want to use dynamic frameworks
6   use_frameworks!
7
8   # Pods for CocoaPodsDemo
9   pod 'SVProgressHUD'
10  pod 'AFNetworking', '~> 2.6'
11  pod 'Alamofire', '~> 5.2'
12
13 end
```