1.What is Symmetric encryption?

2. What is Asymmetric encryption?

3. What is the Android Keystore?

4. What are build variants?

5. What are some ways to reduce the APK size?

6. What is the difference in apk and application bundles?

7. What is continuous integration

8. What is the difference in mockito and PowerMock?

1. What is Symmetric encryption?

A type of encryption where only one key is used for encrypting and decrypting information. The key must be exchanged for all entities communicating. This is known as a secret key.

2. What is Asymmetric encryption?

A type of encryption where a public and private key are used to encrypt and decrypt data. The public key can be shared with everyone, but the private key is kept secret.

3. What is the Android Keystore?

Allows for the storage of cryptographic keys in a container to make it harder to extract from the device. Once they are in the keystore, we can use them for cryptographic operations while keeping the key material non-exportable.

4. What are build variants?

A build variant represents a different version of your app that can be built. You may have a version that’s a demo, and another that’s paid. We can also build versions that target different API’s and specify other device limitations.

Build configurations are not configured directly; instead, we use build types and build forms.

5. What are some ways to reduce the APK size?

Use vector drawables instead of actual images and remove dead code to save space.

6. What is the difference in apk and application bundles?

APK is the packaging format that is installed on the device, and App Bundles are a publishing format which can create a set of .apks

7. What is continuous integration

A software development practice of very periodically building and testing a product.

8. What is the difference in mockito and PowerMock?

Mocking is a way to test the functionality of a class in isolation. Mocking does not require a database connection or properties file read or file server read to test a functionality. Mock objects do the mocking of the real service. A mock object returns a dummy data corresponding to some dummy input passed to it. Mock objects are nothing but proxy for actual implementations.

PowerMock is a unit testing framework that creates mocking objects with considerations for static objects. Mockito is the same but without considerations for static objects.