

1. which function to override when create layout for Fragment?
2. what is latest version of android API?
3. what is the default adapter of Spinner, ListView without customizing?
4. who develop Kotlin?
5. is Dalvik Virtual Machine in Android runtime?
6. valid or Invalid

a.

```
var b: String = "Hello"  
b = null
```

b.

```
var b: String? = null  
val len: Int? = null  
len = b?.length
```

c.

```
var b: String? = "Hello"  
var len: Int? = null  
len = b!!.length
```

d.

```
data class(lastName: String, firstName: String)
```

7. convert Java ActionListener implementation to Kotlin

```
public class MyClass implements ActionListener { }
```

8. can data class be declared as abstract?
9. which is the 2<sup>nd</sup> method called in activity life cycle?
10. methods called from foreground to background and from background to foreground?
11. which android component handles the notification when phone is charging?
12. Kotlin single expression function to convert Fahrenheit to Celsius.
13. Convert Java main to Kotlin

```
public static void main(String[] args) { }
```

14. are Kotlin objects reference type?
15. create User class.
  - constructor
  - fields: firstname, lastname, email.
  - override toString() using string template

## 16. Fragment

- How to add

```
// assign and get the object for the FragmentManager by using the below statements
// supportFragmentManager.beginTransaction().add(R.id.frame1, HomeFragment()).commit()
fmanager = supportFragmentManager
//get the object for FragmentTransaction and Initialize the transaction
tx = fmanager.beginTransaction()
/* by default we are going to show the HomeFragment in onCreate() method using add() method
 * add() method accepts two parameters -
 * 1. id of fragment 2.object of Fragment class*/
tx.add(R.id.frame1, HomeFragment())
// Commit the fragment transaction
tx.commit()
```

- How to replace

```
fun home(view: View) {
    tx = fmanager.beginTransaction()
    // when the user selects the Home button, we are replacing the HomeFragment
    tx.replace(R.id.frame1, HomeFragment())
    tx.commit()
}

fun gallery(view: View) {
    tx = fmanager.beginTransaction()
    // when the user selects the Home button, we are replacing the HomeFragment
    tx.replace(R.id.frame1, GalleryFragment())
    tx.commit()
}
```

## 17. Implicit Intent DIAL

```
fun dial(view: View) {
    val i = Intent()
    i.action = Intent.ACTION_DIAL
    val et2 = tel.text.toString()
    i.data = Uri.parse(uriString: "tel:$et2") //tel: data representation of telephony number
    startActivity(i)
}
```

## 18. Explicit Intent

You will be given:

- Screen 1: a UI with 3 TextEdits and on 1 button
- Screen 2: A UI with 3 TextViews

You will be asked to provide action for button in Screen 1. And when it's clicked, show the inputs in Screen 2.

## 19. Convert Java Switch case to when expression in Kotlin.

(I don't remember Java Code but the answer is something like below)

```
var number: Int = 0
var string: String? = when (number) {
    1 -> "One"
    2 -> "Two"
    else -> null
}
```

20. is Android Menu in xml resources?

21. which folder the image for ImageView is stored?

22. which folder the icons for app are stored?

23. which folder Kotlin files are stored?

24. where activity\_main.xml is stored?

25. Understand the location and behavior of Option Menu, Context Menu and Popup Menu.