Kotlin For Android

Q.1 - Who is the creator of Kotlin?

A.Google

B.JetBrains

C.Oracle

D.Microsoft

Q.2 - Which open source license is Kotlin released under?

A.MIT License (MIT)

B.GNU General Public License (GPL)

C.Apache License 2.0 (Apache 2.0)

D.FreeBSD License (BSD-2-Clause)

Q.3 - Does Kotlin work only for Java?

A.Yes

B.No

Q.4 - Is Kotlin backward-compatible?

A.Yes

B.No

Q.5 - Does Kotlin allow macros?

A.Yes

B.No

Q.6 - Which of these is used to handle null exceptions in Kotlin?

A.Range

B.Sealed Class

C.Elvis Operator

D.Lambda function

Q.7 - What is the default behavior of Kotlin classes?

A.All classes are public

B.All classes are sealed

C.All classes are final

D.All classes are abstract

Q.8 - Which of these is true for Kotlin variables?

A. val corresponds to final variable in Java

B. var cannot be changed

C. val can be changed

D. All variables are immutable by default

Q.9 What is the difference between val and var in Kotlin?

Q.10 What does a data class **not** offer?

Q.11 What does this code do? Foo()()

Q.12 Which of these targets does Kotlin currently **not** support?

Q.13 What are Kotlin coroutines?

Q.14 What is to in the example below:

```kotlin
val test = 33 to 42
```

Q.15 What is the correct way to declare a variable of integer type in Kotlin?

Q.16 Which is true for the following simple class declaration?

```kotlin
class Person (val name: String)
```

Q.17 What is the correct syntax to convert the String "42" to a Long in Kotlin?

Q.18 Does Kotlin have primitive data types, such as int, long, float?

Q.19 What does the following code print?

```kotlin
val listA = mutableListOf(1, 2, 3)
val listB = listA.add(4)
print(listB)
```

Q.20 What is the difference between a and b?

```kotlin
var a: String? = "KotlinQuiz"
var b: String = "KotlinQuiz"
```

Q.21 Which is a valid function declaration in Kotlin?

Q.22 What does the `!!` operator do?

Q.23 What is the output of the following code?

```kotlin
val list : List<Int> = listOf(1, 2, 3)

list.add(4)

print(list)
```

Q.24 What is the key difference between `Iterable<T>` and `Sequence<T>` in Kotlin

Q.25 What is the type of `arr` in the following code?

```kotlin
val arr = arrayOf(1, 2, 3)
```

Q.26 What is the equivalent of the following Java expression in Kotlin?

```java
int x = a ? b : c
```

Q.27 What does the following code print?

```kotlin
val a: String? = null

val b: String = "Hello World"

println(a==b)
```