

## Code for Simulated Android App

```
@Target(AnnotationTarget.FUNCTION)

annotation class Composable

class MainActivity {

    fun onCreate() {

        println("Launching Greeting Card Simulation...")

        setContent {

            GreetingScreen("Ambika")

        }

    }

    private fun setContent(content: () -> Unit) {

        println("Setting up the content...")

        content()

    }

}

@Composable

fun GreetingScreen(name: String) {

    println("Hello $name! Welcome to your first Kotlin App!")

}

@Composable

fun AppTheme(content: () -> Unit) {

    println("Applying GreetingCard Theme...")

    content()

}

fun preview() {

    println("--- Preview Mode ---")

    GreetingScreen("Android Learner")

}
```

```
        println("--- End of Preview ---")
    }

fun main() {

    println("===== Simulated Android App =====\n")

    val activity = MainActivity()

    activity.onCreate()

    println()

    AppTheme {

        GreetingScreen("Ambika")

    }

    println()

    preview()

    println("\n===== End of Simulation =====")

}
```