**Lab 12- Calling Kotlin Code in Java**

1. **Create a Kotlin Class:**

* Create a Kotlin class named KotlinGreeter with a method that takes a name and prints a greeting.
* Save the Kotlin class in a file named KotlinGreeter.kt.

// KotlinGreeter.kt

class KotlinGreeter {

fun greet(name: String) {

println("Hello, $name!")

}

}

1. **Create a Java Class:**

* Create a Java class named JavaCaller.
* In the JavaCaller class, create a method that calls the greet method from the KotlinGreeter Kotlin class.
* Save the Java class in a file named JavaCaller.java.

// JavaCaller.java

public class JavaCaller {

public static void main(String[] args) {

// Call the KotlinGreeter's greet method from Java

KotlinGreeter greeter = new KotlinGreeter();

greeter.greet("Alice");

}

}

1. **Compile and Run:**

* Run the compiled Kotlin class using java -jar KotlinGreeter.jar.
* Compile the JavaCaller.java file using javac JavaCaller.java.
* Run the compiled Java class using java JavaCaller.

Observe the Result:

Observe the output in the console, which should print the greeting for the specified name.

This exercise demonstrates how you can call a Kotlin class and its methods from a Java class. The interoperability between Kotlin and Java allows them to work together seamlessly.