**Passing data back from an intent in Android:**

Passing data back from an intent in Android typically involves using the `startActivityForResult` method, the `setResult` method, and the `onActivityResult` callback. Here’s how you can do it using Kotlin:

**Step-by-Step Guide**

1. **\*\*Start the Activity for Result:\*\***

In the calling activity, start the new activity using `startActivityForResult`.

**Kotlin**

val REQUEST\_CODE = 1

val intent = Intent(this, SecondActivity::class.java)

startActivityForResult(intent, REQUEST\_CODE)

1. **\*\*Set the Result in the Called Activity:\*\***

In the called activity, set the result that you want to pass back. Use `setResult` to send the data back and then finish the activity.

**Kotlin**

// SecondActivity.kt

val resultIntent = Intent()

resultIntent.putExtra("key", "value")

setResult(Activity.RESULT\_OK, resultIntent)

finish()

```

1. **\*\*Handle the Result in the Calling Activity:\*\***

Override `onActivityResult` in the calling activity to handle the result.

```kotlin

override fun onActivityResult(requestCode: Int, resultCode: Int, data: Intent?) {

super.onActivityResult(requestCode, resultCode, data)

if (requestCode == REQUEST\_CODE && resultCode == Activity.RESULT\_OK) {

val result = data?.getStringExtra("key")

// Use the result here

}

}

```