In order to the result back from the Activity, you need to call the **startActivityForResult(***intent,1)* passing in the intent.

To accept the result from the Activity **override** **startActivityResult**(**int** *requestCode,***int** *resultCode,*Intent data)

* Check resultCode equality to **Activity.RESULT\_OK && requestCode**

In the new Activity setup the intent by getting the Intent that was passed to start the current activity. And set the result for the activity to **Activity.RESULT\_OK**,with dataAnd call the finish() after setting the result

**Linear Layouts**

* Relative layouts are usually used for the main layout of the user interface.
* Linear layout are mainly used to structure small sections of the overall layout.

**Relative Layouts**

Usually defined in the GUI and refined the XML.

<https://developer.android.com/reference/android/widget/RelativeLayout.LayoutParams.html>

**Fragments**

* It is a layout element that
  + Is embedded in an activity
  + Can be reused in multiple activities
  + Can contain other UI elements
* Fragments
  + Have their own lifecycle
  + Receive their own input events
  + Can be added or removed while their host activity is running
* Must be associated with an activity.
* Are affected by the host activity’s life cycle
  + Pausing the activity pauses all the fragments…
* While the activity is in the Resumed state. Fragments can be operated on independently.
* The operation of adding or removing a fragment can be added to the back stack
  + The user can reverse the operation by tapping the back button.

**ViewGroups and fragments**

* ViewGroup is the root class of all views that can contain other views (such as layouts and fragments)
* Fragments can be added to an existing ViewGroup object in code, or,
* Defined in the layout XML file using the <fragment…/> element.
* Fragments can also be used without a layout, as an invisible “worker.”

**Defining a fragment**

* Create a fragment by extending fragment, or one of its subclasses: DialogFrament, ListFragment, PreferenceFragment, WebViewFragment.
* Either embed the <fragment> in the layout XML for the activity, or
* Define a new layout XML for the fragment
  + Inflate the layout in the fragment’s onCreateView method