

## Screen 1 (XML)

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="30dp"
        android:id="@+id/t1"/>

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=""
        android:imeOptions="actionNext"
        android:hint="Number 1"
        android:inputType="number"
        android:id="@+id/e1"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/e2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text=""
        android:hint="Number 2"
        android:imeOptions=""
        android:inputType="number"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:onClick="fun2"
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="50dp"
        android:text="Add" />

</LinearLayout>
```

## Screen 1 (Kotlin)

```
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val x = findViewById<EditText>(R.id.e1)
        val z = findViewById<EditText>(R.id.e2)
        val y = findViewById<TextView>(R.id.t1)

        x.setOnEditorActionListener { v, actionId, event ->
            return@setOnEditorActionListener when(actionId) {
                EditorInfo.IME_ACTION_NEXT ->
                {
                    z.requestFocus()
                    val imm =
                        getSystemService(Context.INPUT_METHOD_SERVICE) as InputMethodManager
                    imm.hideSoftInputFromWindow(v.windowToken,
                        InputMethodManager.HIDE_NOT_ALWAYS)
                    true
                }
                else -> false
            }
        }

        x.addTextChangedListener(object: TextWatcher {
            override fun afterTextChanged(s: Editable?) {

            }

            override fun beforeTextChanged(s: CharSequence?, start: Int,
                count: Int, after: Int) {

            }

            override fun onTextChanged(s: CharSequence?, start: Int,
                before: Int, count: Int) {
                y.text = x.text
            }
        })
    }

    fun fun2(v:View)
    {
        val nextScreen = Intent(this,MainActivity2::class.java)
        val x = findViewById<EditText>(R.id.e1)
        val y = findViewById<EditText>(R.id.e2)
        val s1 = x.text.toString()
        val s2 = y.text.toString()
        nextScreen.putExtra("a1",s1)
        nextScreen.putExtra("a2",s2)
        startActivity(nextScreen)
    }
}
```

## Screen 2 (Kotlin)

```
class MainActivity2 : AppCompatActivity() {  
    override fun onCreate(savedInstanceState: Bundle?) {  
        super.onCreate(savedInstanceState)  
        setContentView(R.layout.activity_main2)  
  
        val x:String = intent.getStringExtra("a1").toString()  
        val v1:Int = x.toInt()  
        val y:String = intent.getStringExtra("a2").toString()  
        val v2:Int = y.toInt()  
        val v3:Int =v1 + v2  
        Toast.makeText(applicationContext,v3.toString(),Toast.LENGTH_LONG).show()  
  
    }  
}
```