**4. Create an application that obtains result from an activity.**

activity\_main.xml:::

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout 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"

tools:context=".MainActivity">

<EditText

android:id="@+id/editText1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentTop="true"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="24dp"

android:ems="10" />

<EditText

android:id="@+id/editText2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText1"

android:layout\_below="@+id/editText1"

android:layout\_marginTop="34dp"

android:ems="10" >

<requestFocus />

</EditText>

<Button

android:id="@+id/button1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_centerHorizontal="true"

android:layout\_centerVertical="true"

android:text="sum" />

</RelativeLayout>

mainactivity.java::::

package com.example.lab4;

import android.content.Intent;

import android.support.v4.app.INotificationSideChannel;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

private EditText et1,et2;

private Button buttonSum;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

addListenerOnButton();

}

public void addListenerOnButton() {

et1 = (EditText) findViewById(R.id.editText1);

et2 = (EditText) findViewById(R.id.editText2);

buttonSum = (Button) findViewById(R.id.button1);

buttonSum.setOnClickListener(new View.OnClickListener() {

public void onClick(View view) {

String value1 = et1.getText().toString();

String value2 = et2.getText().toString();

int a = Integer.parseInt(value1);

int b = Integer.parseInt(value2);

int sum = a + b;

Intent i=new Intent(getApplicationContext(),Main2Activity.class);

i.putExtra("mamboo",sum);

startActivity(i);

//Toast.makeText(getApplicationContext(), String.valueOf(sum), Toast.LENGTH\_LONG).show();

}

});

}

}

activity\_main2.xml:::

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout 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"

tools:context=".Main2Activity">

<TextView

android:id="@+id/textView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="TextView" />

</RelativeLayout>

main2activity.java::::

package com.example.lab4;

import android.content.Intent;

import android.support.v4.app.INotificationSideChannel;

import android.os.Bundle;

import android.widget.Button;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class Main2Activity extends AppCompatActivity {

TextView t;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main2);

t=(TextView) findViewById(R.id.textView);

Intent i=getIntent();

int t1=i.getIntExtra("mamboo",0);

t.setText(String.valueOf(t1));

}

}