Lab3

Mainactivity.java

package com.example.prog3\_2;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Button b = findViewById(R.id.*button*);  
 EditText name=findViewById(R.id.*editTextTextPersonName*);  
 EditText age = findViewById(R.id.*editTextTextPersonName2*);  
 // it will give you the reference to the view in XML layouts by searching its ID  
 b.setOnClickListener(new View.OnClickListener() {  
 @Override  
 /\*These methods will be called by the Android framework when the View to  
 which the listener has been registered  
 is triggered by user interaction with the item in the UI\*/  
 public void onClick(View view) {  
 String Dname=name.getText().toString();  
 String Dage =age.getText().toString();  
 /\* By using the gettext we can get the user input from the activity\*/  
 Intent i = new Intent(MainActivity.this,SecondActivity.class);  
 //Intent is the message that is passed between components such as activities,  
 // content providers, broadcast receivers, services etc  
 i.putExtra("name",Dname);  
 i.putExtra("age",Dage);  
 //Add extended data to the intent.  
 startActivity(i);  
 //The startActivity(Intent) method is used to start a new activity,  
 // which will be placed at the top of the activity stack.  
 }  
 });  
  
  
 }}

Second activity.java

package com.example.prog3\_2;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.widget.TextView;  
  
public class SecondActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_second*);  
 Intent i = getIntent();  
 //Return the intent that started this activity  
 String name=i.getStringExtra("name");  
 String age = i.getStringExtra("age");  
 //this is used to get value which is passed in the Activity  
 TextView t1=findViewById(R.id.*textView*);  
 TextView t2 = findViewById(R.id.*textView2*);  
 t1.setText(name);  
 t2.setText(age);  
 //this is used to send the data to the xml layout through java code  
 }  
  
  
}

main.xml

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout 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/editTextTextPersonName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="147dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:hint="Enter your name"  
 android:textSize="24dp"  
 android:textColorHint="@color/black"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="39dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:hint="Age"  
 android:textColorHint="@color/black"  
 android:textSize="24dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/button"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@+id/editTextTextPersonName"  
 app:layout\_constraintTop\_toBottomOf="@+id/editTextTextPersonName"  
 app:layout\_constraintVertical\_bias="0.092" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="267dp"  
 android:text="Click"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent" />  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Second.xml

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout 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=".SecondActivity">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Name"  
 android:textSize="50dp"  
 android:textColor="#03A9F4"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.436"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.272" />  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Second Activity"  
 android:textColor="#C3227B"  
 android:textSize="45dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.395"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.126" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Age"  
 android:textColor="#03A9F4"  
 android:textSize="50dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.447"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView"  
 app:layout\_constraintVertical\_bias="0.1" />  
  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>