**MainActivity.java**

package com.example.myapplication;  
import androidx.annotation.Nullable;  
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;  
import android.widget.TextView;  
public class MainActivity extends AppCompatActivity {  
 TextView tv;   
EditText et;  
 Button b;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 tv=findViewById(R.id.*textView3*);  
 et=findViewById(R.id.*editText*);  
 b=findViewById(R.id.*Hello*);  
 b.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 String s=et.getText().toString();  
 tv.setText("Welcome "+s);  
 }  
 });  
 }  
 public void myNewActivity(View view)  
 {  
 Intent intent = new Intent(this,newAct.class);  
 intent.putExtra("NAME",et.getText().toString());  
 intent.putExtra("AGE", 21);  
 startActivityForResult(intent , 20);  
 }  
 @Override  
 protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {  
 tv.setText(data.getStringExtra("RESULT"));  
 }  
}

**activity\_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">  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="324dp"  
 android:layout\_height="46dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="76dp"  
 android:layout\_marginEnd="8dp"  
 android:text="Welcome"  
 android:textSize="30sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.497"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
 <Button  
 android:id="@+id/Hello"  
 android:layout\_width="152dp"  
 android:layout\_height="90dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginBottom="156dp"  
 android:text="OK"  
 android:textSize="30sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/editText"  
 app:layout\_constraintVertical\_bias="0.227" />  
 <EditText  
 android:id="@+id/editText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="108dp"  
 android:layout\_marginEnd="8dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="Name"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView3" />  
 <Button  
 android:id="@+id/button3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginBottom="8dp"  
 android:onClick="myNewActivity"  
 android:text="to new activity"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/Hello" />  
</androidx.constraintlayout.widget.ConstraintLayout>

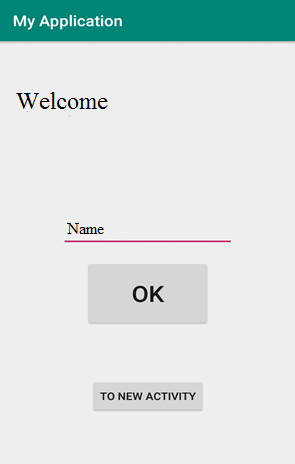
**newAct.java**

package com.example.myapplication;  
import androidx.appcompat.app.AppCompatActivity;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.TextView;  
public class newAct extends AppCompatActivity {  
 TextView tv, tv1;  
 String s= "";  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_new*);  
 Intent intent =getIntent();  
 s= intent.getStringExtra("NAME");  
 int a = intent.getIntExtra("AGE",0);  
 tv= findViewById(R.id.*textView*);  
 tv1 = findViewById(R.id.*textView2*);  
 tv.setText(s);  
 tv1.setText(String.*valueOf*(a));  
 }  
 public void sendResult(View view)  
 {  
 Intent intent = new Intent();  
 intent.putExtra("RESULT", s.toUpperCase());  
 setResult(*RESULT\_OK* , intent );  
 finish();  
 }  
}

**activity\_new.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=".newAct">  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="231dp"  
 android:layout\_height="125dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginBottom="8dp"  
 android:onClick="sendResult"  
 android:text="Send result"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView2" />  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="277dp"  
 android:layout\_height="104dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="132dp"  
 android:layout\_marginEnd="8dp"  
 android:text="newAct"  
 android:textSize="30sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="202dp"  
 android:layout\_height="118dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="96dp"  
 android:layout\_marginEnd="8dp"  
 android:text="TextView"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**OUTPUT:**

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