**Intent with Louncher**

**MainActivity**

*package* com.example.activityresultlauncher;  
  
*import* androidx.activity.result.ActivityResult;  
*import* androidx.activity.result.*ActivityResultCallback*;  
*import* androidx.activity.result.ActivityResultLauncher;  
*import* androidx.activity.result.contract.ActivityResultContracts;  
*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 {  
 EditText etFirstName, etSecondName;  
 TextView tvFullName;  
 Button btnSendData;  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 etFirstName = findViewById(R.id.*et\_first\_name*);  
 etSecondName = findViewById(R.id.*et\_second\_name*);  
 tvFullName = findViewById(R.id.*tv\_full\_name*);  
 btnSendData = findViewById(R.id.*btn\_send\_data*);  
  
 ActivityResultLauncher<Intent> launcher = registerForActivityResult(  
 *new* ActivityResultContracts.StartActivityForResult(),  
 *new* ActivityResultCallback<ActivityResult>() {  
 @Override  
 *public void* onActivityResult(ActivityResult result) {  
 *if* (result.getResultCode() == *RESULT\_OK*) {  
 Intent intent = result.getData();  
 String fullName = intent.getStringExtra("FULL\_NAME");  
 tvFullName.setText(fullName);  
 }  
 }  
 }  
 );  
  
 btnSendData.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View v) {  
 String firstName = etFirstName.getText().toString();  
 String secondName = etSecondName.getText().toString();  
 Intent intent = *new* Intent(MainActivity.*this*, MainActivity2.*class*);  
 intent.putExtra("FIRST\_NAME", firstName);  
 intent.putExtra("SECOND\_NAME", secondName);  
 launcher.launch(intent);  
 }  
 });  
  
  
  
 }  
}

**MainActivity2**

*package* com.example.activityresultlauncher;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* android.content.Intent;  
*import* android.os.Bundle;  
*import* android.view.View;  
*import* android.widget.Button;  
*import* android.widget.TextView;  
  
*public class* MainActivity2 *extends* AppCompatActivity {  
 TextView tvFirstName, tvSecondName;  
 Button btnFinishActivity;  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main2*);  
  
 tvFirstName = findViewById(R.id.*tv\_first\_name*);  
 tvSecondName = findViewById(R.id.*tv\_second\_name*);  
 btnFinishActivity = findViewById(R.id.*btn\_finish\_activity*);  
  
 String firstName = getIntent().getExtras().getString("FIRST\_NAME");  
 String secondName = getIntent().getExtras().getString("SECOND\_NAME");  
 tvFirstName.setText(firstName);  
 tvSecondName.setText(secondName);  
  
 btnFinishActivity.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View v) {  
 Intent intent = *new* Intent();  
 String fullName = firstName + " " + secondName;  
 intent.putExtra("FULL\_NAME", fullName);  
 setResult(*RESULT\_OK*, intent);  
 finish();  
 }  
 });  
 }  
}