

## Обмін даними між Activity

Файл activity\_main.xml (змінить context на власний):

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context="com.example.user.intent.MainActivity">
    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:layout_gravity="center"
        android:onClick="Click"
        android:text="@string/buttonText"
        android:textAllCaps="false"/>
    <EditText
        android:id="@+id/nickname"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_above="@+id/button"
        android:layout_centerHorizontal="true"
        android:gravity="center_horizontal"
        android:hint="@string/nickname"
        android:inputType="textPersonName" />
    <EditText
        android:id="@+id/name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_above="@+id/nickname"
        android:layout_centerHorizontal="true"
        android:gravity="center_horizontal"
        android:hint="@string/name"
        android:inputType="textPersonName" />
</RelativeLayout>
```

Файл /res/values/strings.xml

```
<resources>
```

```
<string name="app_name">Parcelable</string>
<string name="nickname">Прізвисько</string>
<string name="name">Ім'я</string>
<string name="buttonText">У відділ кадрів</string>
</resources>
```

Файл activity\_receipient.xml (змінить context на власний):

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_receipient"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context="com.example.user.intent.ReceipientActivity">
    <TextView
        android:id="@+id/tv"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:gravity="center_horizontal"/>
</RelativeLayout>
```

## Intent

Клас MainActivity (змінить пакет на власний):

```
package com.example.user.intent;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
public class MainActivity extends AppCompatActivity {
    EditText Name;
    EditText NickName;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Name = (EditText) findViewById(R.id.name);
```

```

        NickName = (EditText) findViewById(R.id.nickname);
        Log.i("result", "onCreate");
    }

    public void Click(View view) {
        Intent intent = new Intent(this, ReceipientActivity.class);
        intent.putExtra("name", Name.getText().toString());
        intent.putExtra("nickname", NickName.getText().toString());
        startActivity(intent);
    }
}

```

Клас ReceipientActivity (змінить пакет на власний):

```

package com.example.vitaliy.intent;
import android.app.Activity;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.TextView;
public class ReceipientActivity extends AppCompatActivity {
    TextView tv;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_receipient);
        tv = (TextView) findViewById(R.id.tv);
        Intent intent = getIntent();
        String Name;
        String NickName;
        Name = intent.getStringExtra("name");
        NickName = intent.getStringExtra("nickname");
        tv.setText(Name + " " + NickName);
    }
}

```

Отримання відповіді від Activity

Додайте до activity\_receipient.xml кнопку:

```

<Button
    android:text="Button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"

```

```
android:layout_below="@+id/tv"
android:layout_centerHorizontal="true"
android:layout_marginTop="15dp"
android:id="@+id/button2"
android:onClick="Back"/>
```

Клас MainActivity (змінить пакет на власний):

```
package com.example.user.intent;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
public class MainActivity extends AppCompatActivity {
    EditText Name;
    EditText NickName;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Name = (EditText) findViewById(R.id.name);
        NickName = (EditText) findViewById(R.id.nickname);
        Log.i("result", "onCreate");
    }
    @Override
    protected void onActivityResult(int requestCode, int resultCode, Intent data) {
        if(requestCode == 1) {
            if(resultCode == RESULT_OK) {
                Name.setText(data.getStringExtra("name"));
                NickName.setText(data.getStringExtra("nickname"));
            }
            else if (resultCode == RESULT_CANCELED) {
                Log.i("result", "cancelled");
            }
        }
    }
    public void Click(View view) {
        Intent intent = new Intent(this, RecepientActivity.class);
        intent.putExtra("name", Name.getText().toString());
        intent.putExtra("nickname", NickName.getText().toString());
        startActivityForResult(intent, 1);
    }
}
```

Клас RecepientActivity (змінить пакет на власний):

```

package com.example.user.intent;
import android.app.Activity;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.TextView;
public class RecepientActivity extends AppCompatActivity {
    TextView tv;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_recepient);
        tv = (TextView) findViewById(R.id.tv);
        Intent intent = getIntent();
        String Name;
        String NickName;
        Name = intent.getStringExtra("name");
        NickName = intent.getStringExtra("nickname");
        tv.setText(Name + " " + NickName);
    }
    public void Back(View view) {
        Intent returnIntent = new Intent();
        returnIntent.putExtra("name", "Johnny");
        returnIntent.putExtra("nickname", "Depp");
        setResult(Activity.RESULT_OK, returnIntent);
        finish();
    }
}

```

## Parcelable

Клас DataHolder (змінить пакет на власний):

```

package com.example.user.intent;
import android.os.Parcel;
import android.os.Parcelable;
public class DataHolder implements Parcelable {
    public static final Parcelable.Creator<DataHolder> CREATOR =
        new Parcelable.Creator<DataHolder>() {
            @Override
            public DataHolder[] newArray(int size) {
                return new DataHolder[size];
            }
            @Override
            public DataHolder createFromParcel(Parcel source) {

```

```

        return new DataHolder(source);
    }
};
private String mName;
private String mNickName;
public DataHolder(Parcel source) {
    mName = source.readString();
    mNickName = source.readString();
}
public DataHolder() {
}
public String getName() {
    return mName;
}
public void setName(String mName) {
    this.mName = mName;
}
public String getNickName() {
    return mNickName;
}
public void setNickName(String mNickName) {
    this.mNickName = mNickName;
}
@Override
public int describeContents() {
    return 0;
}
@Override
public void writeToParcel(Parcel dest, int flags) {
    dest.writeString(mName);
    dest.writeString(mNickName);
}
}

```

Клас MainActivity (змінить пакет на власний):

```

package com.example.user.intent;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
public class MainActivity extends AppCompatActivity {
    EditText Name;
    EditText NickName;
    @Override
    protected void onCreate(Bundle savedInstanceState) {

```

```

        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Name = (EditText) findViewById(R.id.name);
        NickName = (EditText) findViewById(R.id.nickname);
    }

    public void Click(View view) {
        Intent intent = new Intent(this, ReceipientActivity.class);
        DataHolder data = new DataHolder();
        data.setName(Name.getText().toString());
        data.setNickName(NickName.getText().toString());
        intent.putExtra("hr", data);
        startActivity(intent);
    }
}

```

Клас ReceipientActivity (змінить пакет на власний):

```

package com.example.user.intent;
import android.app.Activity;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.TextView;
public class ReceipientActivity extends AppCompatActivity {
    TextView tv;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_receipient);
        tv = (TextView) findViewById(R.id.tv);
        Intent intent = getIntent();
        String Name;
        String NickName;
        DataHolder pirate = intent.getParcelableExtra("hr");
        Name = pirate.getName();
        NickName = pirate.getNickName();
        tv.setText(Name + " " + NickName);
    }
}

```

