

GitHub for project - <https://github.com/devFallingstar/Lab2-for-MobileProgramming>

## Code for FirstActivity.java

```
package com.fallingstar.lab2;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

public class FirstActivity extends AppCompatActivity {

    // Define GUI based variables
    Button addBtn;
    EditText nameTxt, ageTxt;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_first);

        // Get each text field's references.
        nameTxt = (EditText)findViewById(R.id.nameTxt);
        ageTxt = (EditText)findViewById(R.id.ageTxt);

        // Get button's reference and set click listener.
        addBtn = (Button)findViewById(R.id.addBtn);
        addBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                // When button clicked, call addInfo()
                addInfo();
            }
        });
    }

    // name : addInfo()
    // purpose : Get name and age strings from each text field,
    //           put it into the own variable,
    //           make intent instance and put Extra values,
    //           launch intent with startActivity()
    private void addInfo() {
        String nameStr, ageStr;
        Intent intent;

        nameStr = nameTxt.getText().toString();
        ageStr = ageTxt.getText().toString();

        // Make an intent and put extras into the intent,
        // with key named "name" and "age"
        intent = new Intent(getApplicationContext(), SecondActivity.class);
        intent.putExtra("name", nameStr);
```

```

        intent.putExtra("age", ageStr);
        startActivity(intent);
    }
}

```

## Code for SecondActivity.java

```

package com.fallingstar.lab2;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

public class SecondActivity extends AppCompatActivity {

    // Define GUI based variables
    Button backBtn;
    String nameStr, ageStr;

    // Define programmatic variables
    Intent myIntent;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_second);

        // Get intent of current class instance
        myIntent = getIntent();

        if (myIntent != null){
            // Get String Extra value from intent with key named "name" and "age"
            nameStr = myIntent.getStringExtra("name");
            ageStr = myIntent.getStringExtra("age");
            // After got a value, print the information with Toast
            Toast.makeText(getApplicationContext(), "Student Info : "+nameStr+" "+ageStr,
Toast.LENGTH_SHORT).show();
        }

        // Get button's reference and set click listener
        backBtn = (Button)findViewById(R.id.backBtn);
        backBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                //If the button clicked, call back() function
                back();
            }
        });
    }

    // name : back
    // purpose : finish current activity, and go back to previous activity.
    private void back() {
        finish();
    }
}

```

## Code for activity\_first.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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="com.fallingstar.lab2.FirstActivity"
    android:orientation="vertical">

    <EditText
        android:id="@+id/nameTxt"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:inputType="text"
        android:hint="이름"/>

    <EditText
        android:id="@+id/ageTxt"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:inputType="text"
        android:hint="나이"/>

    <Button
        android:id="@+id/addBtn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="추가"
        android:layout_gravity="center"/>
</LinearLayout>
```

## Code for activity\_second.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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="com.fallingstar.lab2.SecondActivity"
    android:orientation="vertical">

    <Button
        android:id="@+id/backBtn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="닫기"
        android:layout_gravity="center"/>

</LinearLayout>
```