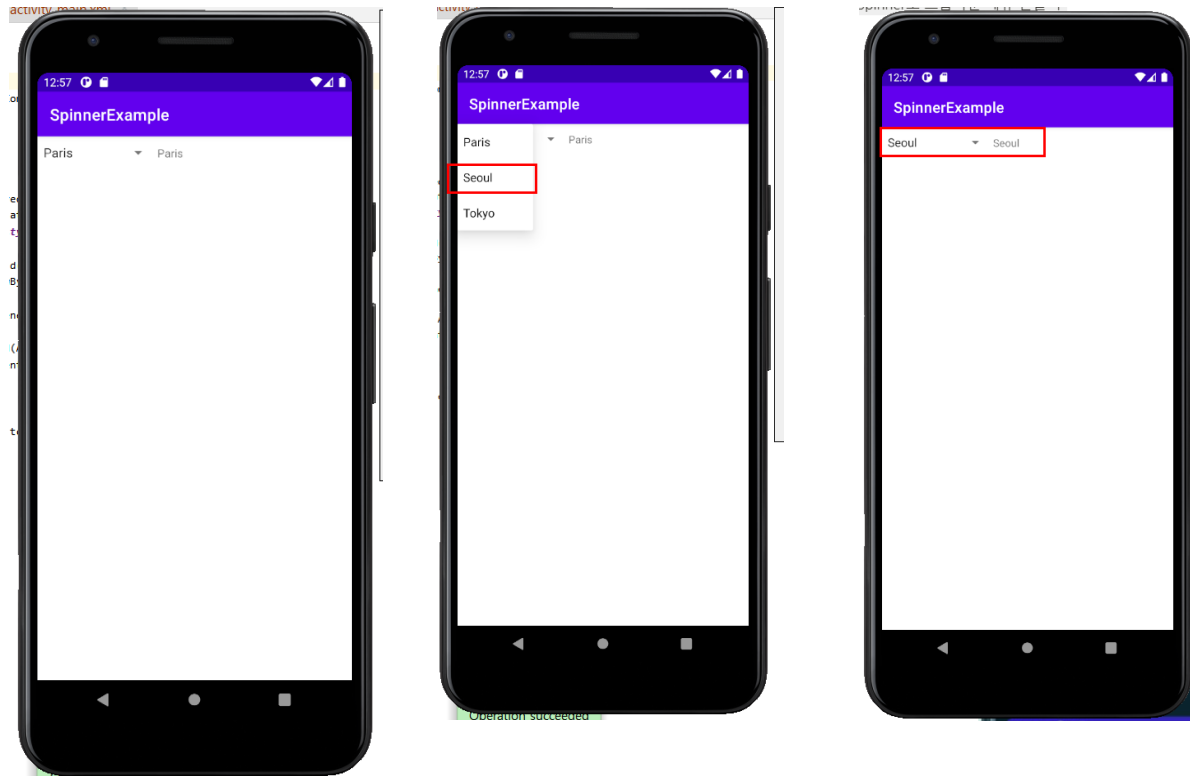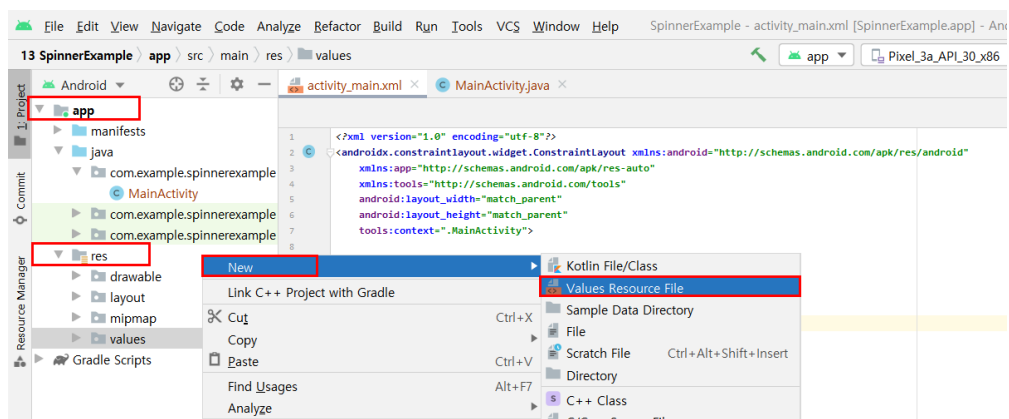# 13 Spinner로 드롭다운 메뉴 만들기

결과

array.xml에 string-array태그에 item들을 만들고 이를 Spinner로 DropDown메뉴를 만든다. item을 선택하면 우측 TextView가 해당 string로 바뀐다.

1. array.xml 생성

```xml
<?xml version="1.0" encoding="utf-8"?>
<resources>

    <string-array name="test">
        <item>Paris</item>
        <item>Seoul</item>
        <item>Tokyo</item>
    </string-array>

</resources>
```

2. activity_main.xml 코드

```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=".MainActivity">


    <Spinner
        android:id="@+id/spinner"
        android:layout_width="150dp"
        android:layout_height="40dp"
        android:entries="@array/test">

    </Spinner>

    <TextView
        android:id="@+id/tv_result"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="DropDown Result"/>

</LinearLayout>
```

3. MainActivity. java 코드

```java
package com.example.spinnerexample;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.Spinner;
import android.widget.TextView;
```

```java
public class MainActivity extends AppCompatActivity {

    private Spinner spinner;
    private TextView tv_result;

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

        spinner = (Spinner)findViewById(R.id.spinner);
        tv_result = (TextView)findViewById(R.id.tv_result);

        spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {
            @Override
            public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {
                tv_result.setText(parent.getItemAtPosition(position).toString());
            }

            @Override
            public void onNothingSelected(AdapterView<?> parent) {

            }
        });

    }
}
```