

스마트폰 프로그래밍

Assign #3

(제목 : Event Handling)

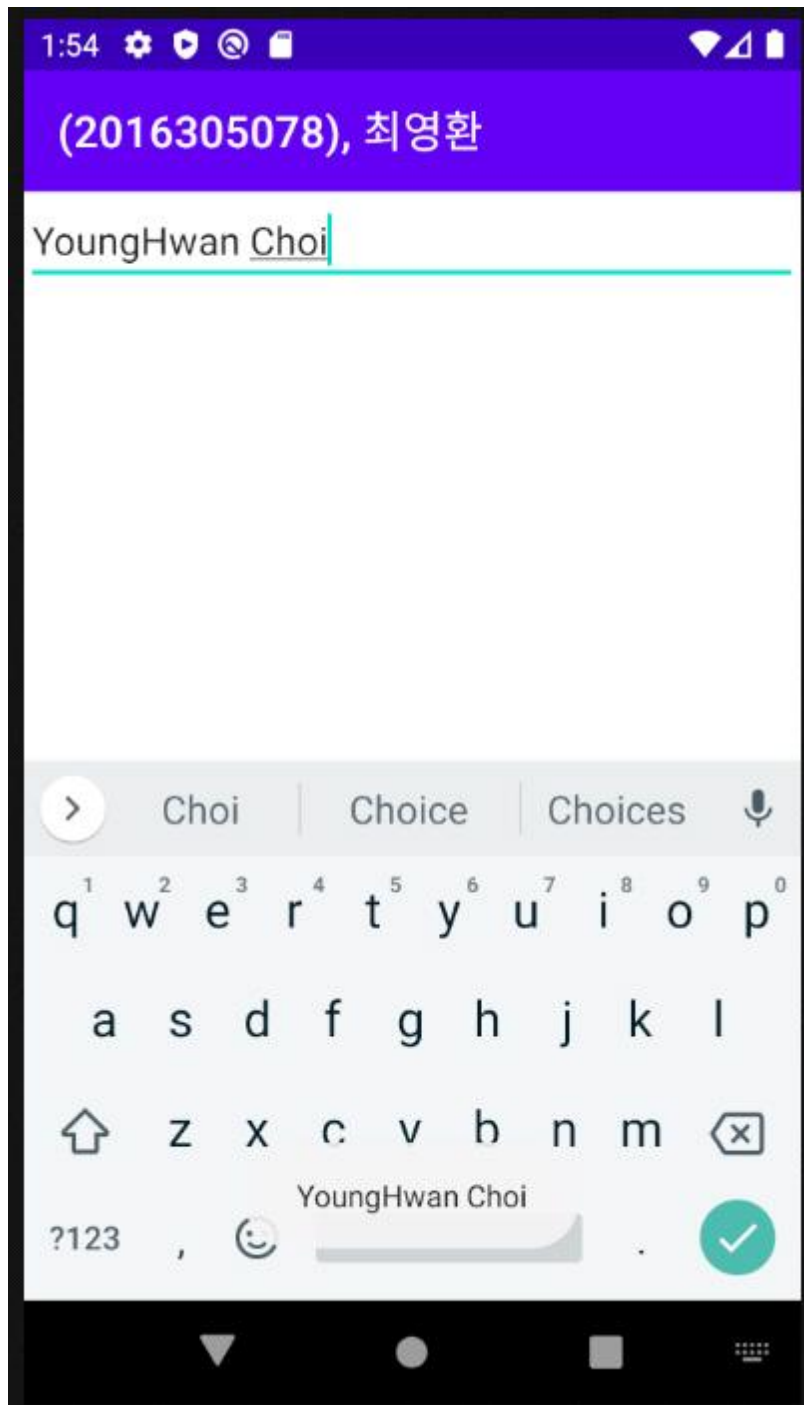
학번 : 2016305078

성명 : 최 영 환

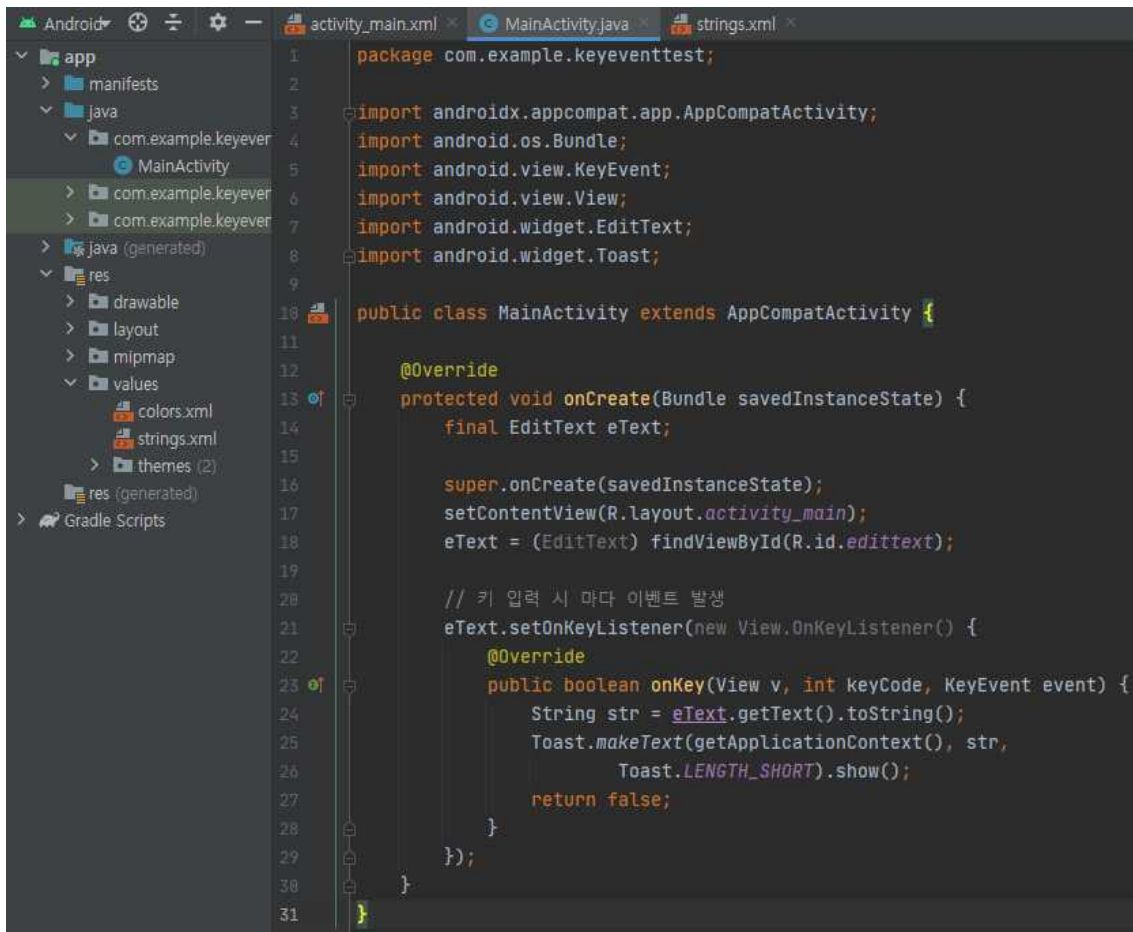
제출일자 : 2021.9.22

본인은 타인이나 다른 매체를 도용하지 않았음을 확인합니다 <본인사인>

<실행화면>



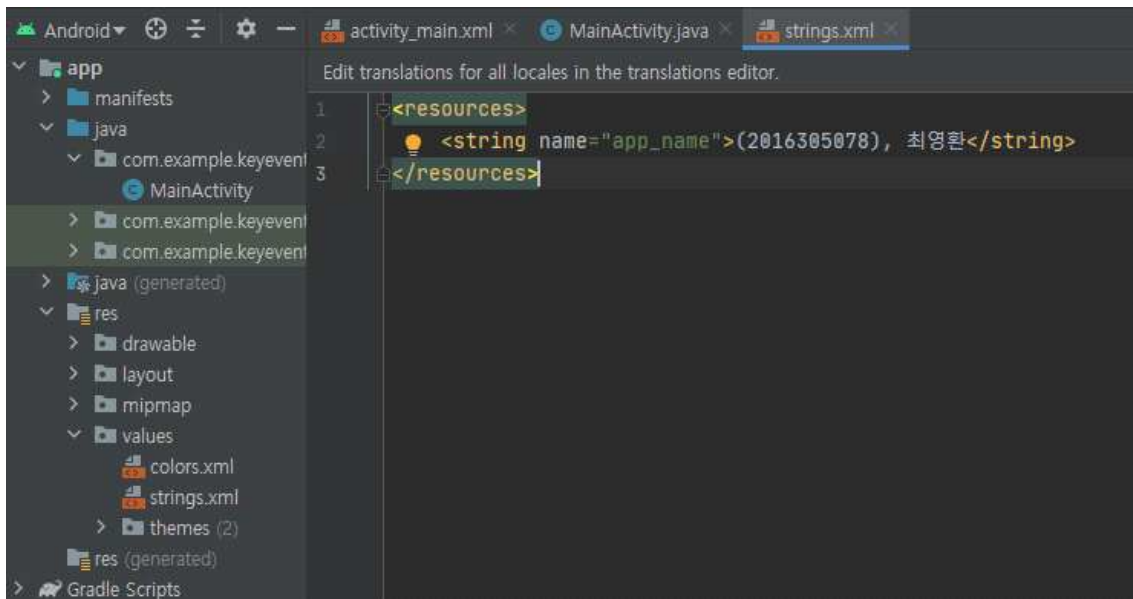
<MainActivity.java>



```
package com.example.keyeventtest;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.KeyEvent;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        final EditText eText;
        super.onCreate(savedInstanceState);
```

```
setContentView(R.layout.activity_main);
eText = (EditText) findViewById(R.id.edittext);
// 키 입력 시 마다 이벤트 발생
eText.setOnKeyListener(new View.OnKeyListener() {
    @Override
    public boolean onKey(View v, int keyCode, KeyEvent event) {
        String str = eText.getText().toString();
        Toast.makeText(getApplicationContext(), str,
            Toast.LENGTH_SHORT).show();
        return false;
    }
});
}
```

<string.xml>

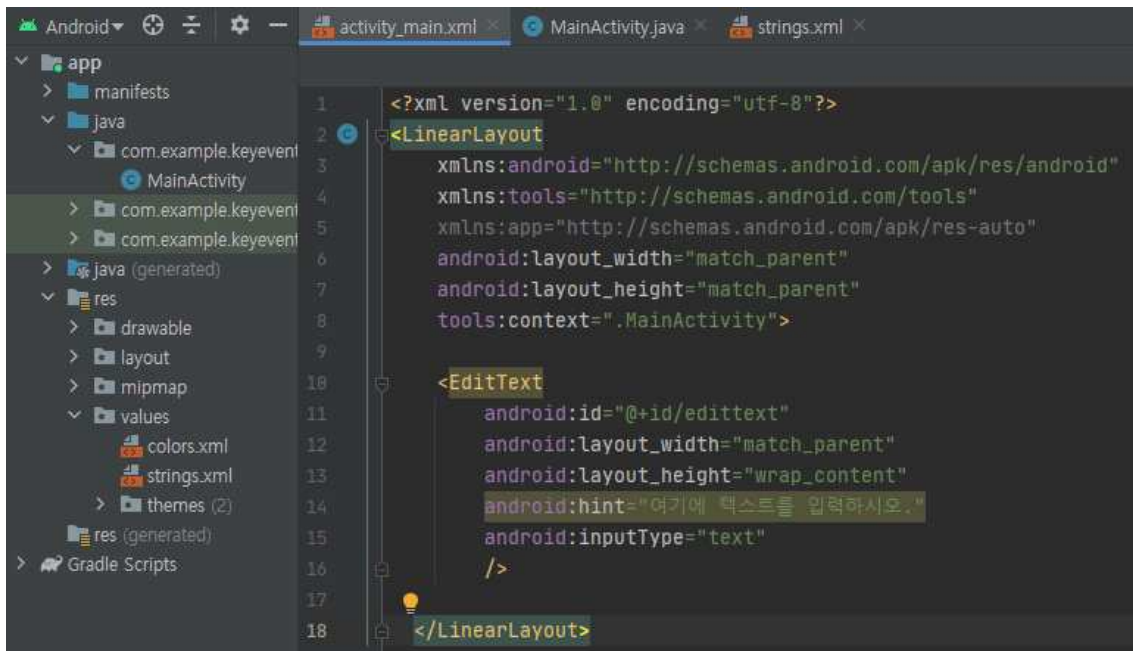


<resources>

 <string name="app_name">(2016305078), 최영환 </string>

</resources>

<activity_main.xml>



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

<LinearLayout

xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

xmlns:app="http://schemas.android.com/apk/res-auto"

android:layout_width="match_parent"

android:layout_height="match_parent"

tools:context=".MainActivity" >

<EditText

android:id="@+id/edittext"

android:layout_width="match_parent"

android:layout_height="wrap_content"

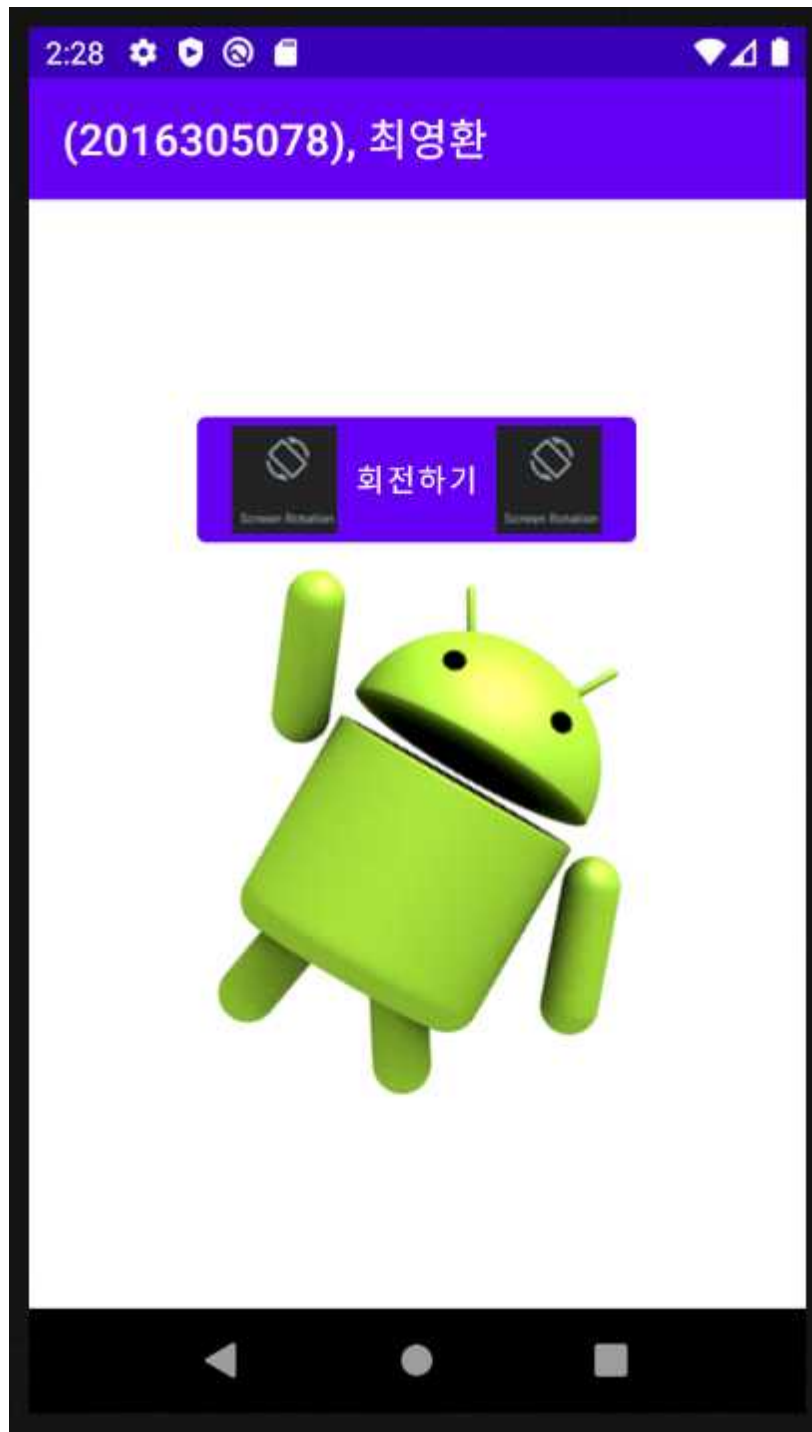
android:hint="여기에 텍스트를 입력하십시오."

android:inputType="text"

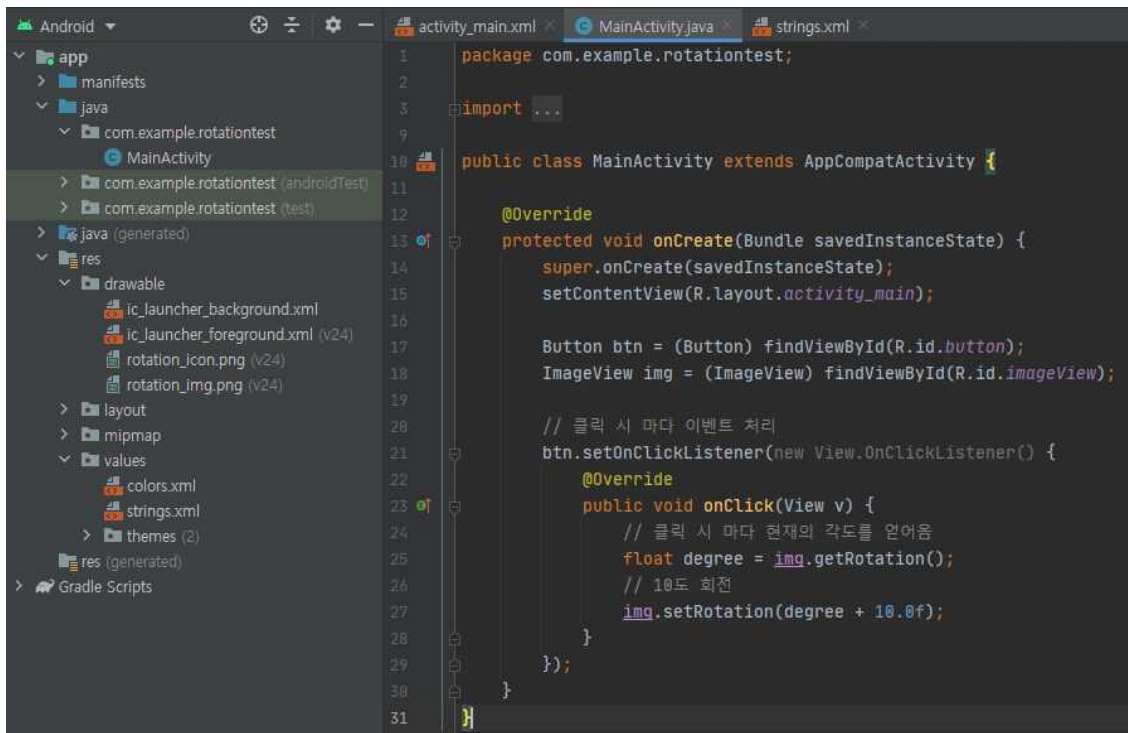
/>

</LinearLayout >

<실행화면>



<MainActivity.java>

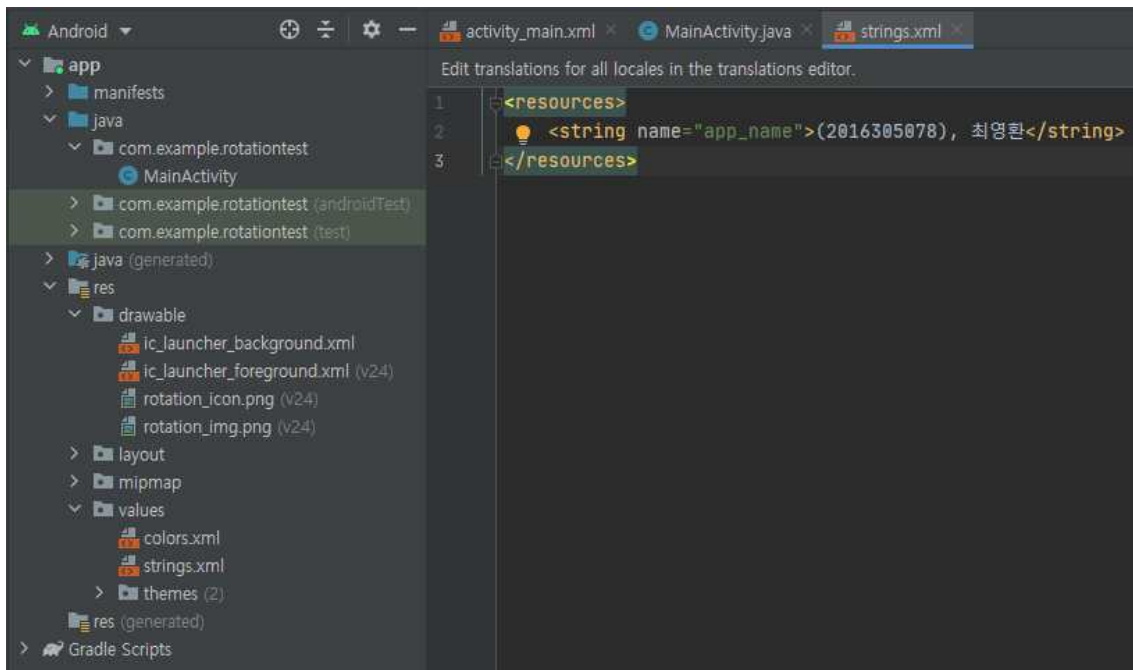


```
package com.example.rotationtest;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Button btn = (Button) findViewById(R.id.button);
        ImageView img = (ImageView) findViewById(R.id.imageView);
        // 클릭 시 마다 이벤트 처리
        btn.setOnClickListener(new View.OnClickListener() {
            @Override
```



```
public void onClick(View v) {  
    // 클릭 시 마다 현재의 각도를 얻어옴  
    float degree = img.getRotation();  
    // 10도 회전  
    img.setRotation(degree + 10.0f);  
}  
});  
}  
}
```

<string.xml>

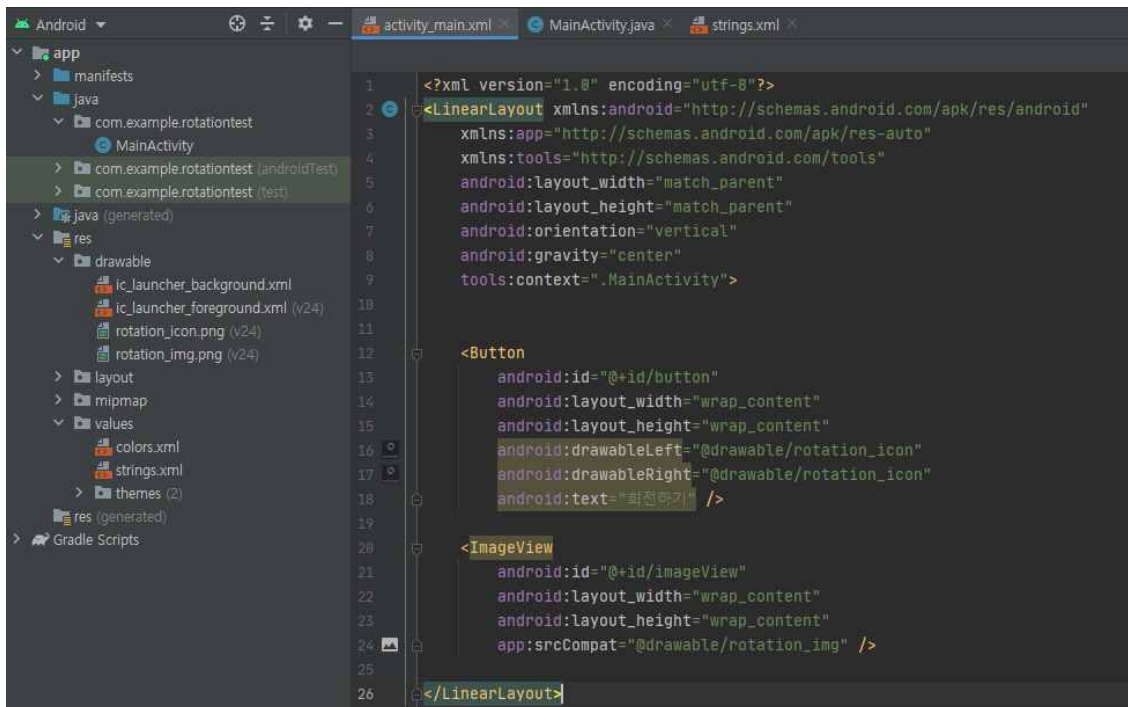


<resources>

<string name ="app_name">(2016305078), 최영환 </string >

</resources>

<activity_main.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"

android:orientation="vertical"

android:gravity="center"

tools:context=".MainActivity">

<Button

android:id="@+id/button"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:drawableLeft="@drawable/rotation_icon"

android:drawableRight="@drawable/rotation_icon"

android:text="회전하기" />

```
<ImageView
    android:id="@+id/imageView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:srcCompat="@drawable/rotation_img" />
</LinearLayout>
```