

02

레이아웃 – Linear Layout

TextView

extends View

implements ViewTreeObserver.OnPreDrawListener

java.lang.Object المامان.View المامان.View المامان.View

Button

extends TextView

Jandroid.view.View

Jandroid.widget.TextView

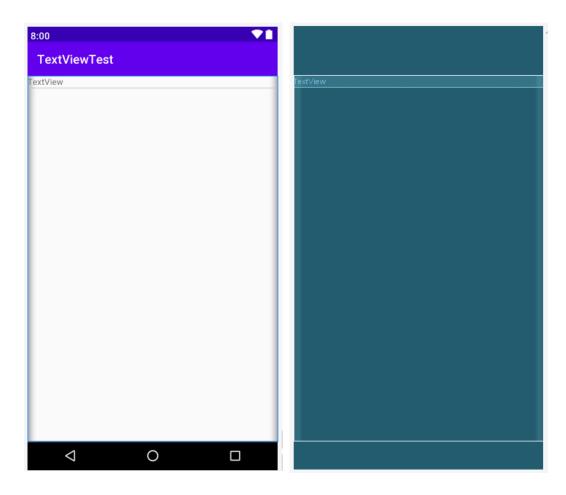
Jandroid.widget.Button

EditText

extends TextView

java.lang.Object
Landroid view View
Landroid.widget.TextView
Landroid.widget.EditText



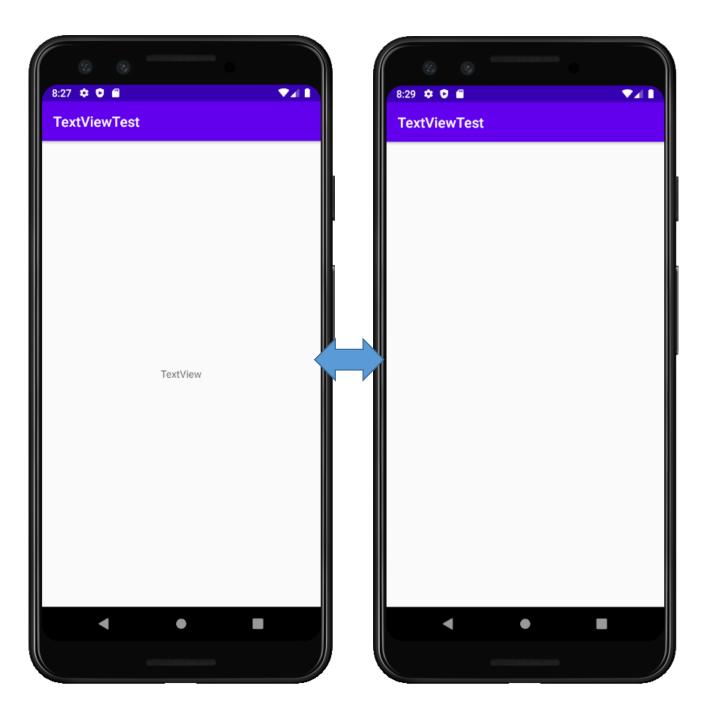


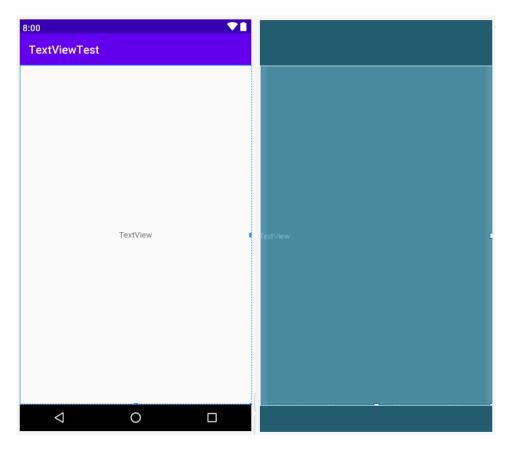
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <TextView
        android:id="@+id/textView"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="TextView" />
    </LinearLayout>
```

```
public class MainActivity extends AppCompatActivity {
    TextView textView;

@Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        textView = findViewById(R.id.textView);
        textView.setText("Text is Changed.");
    }
}
```





```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent">

<TextView
    android:layout_width="match_parent"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:gravity="center_horizontal|center_vertical"
    android:text="TextView" />
</LinearLayout>
```

MainActivity.java

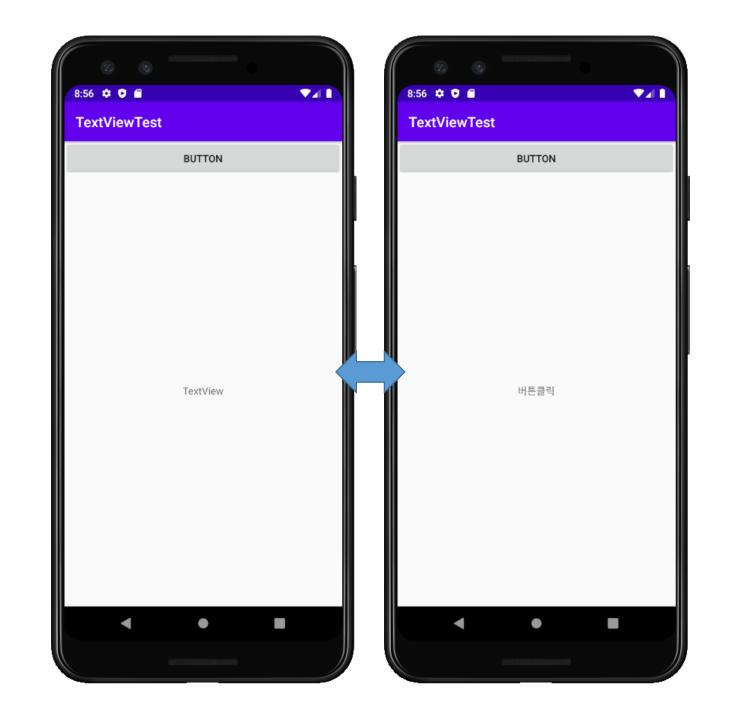
```
public class MainActivity extends AppCompatActivity {
    TextView textView;

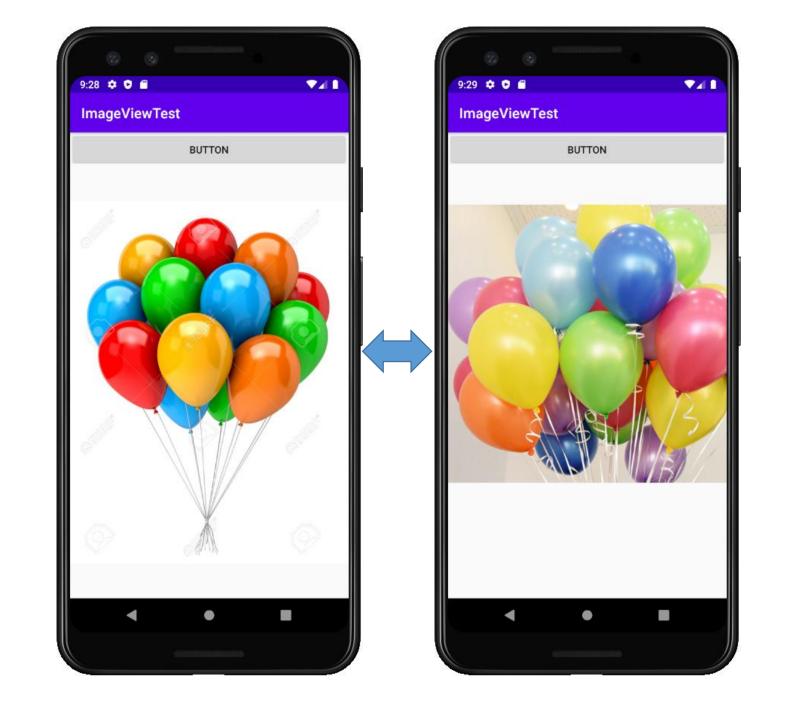
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        textView = findViewById(R.id.textView);

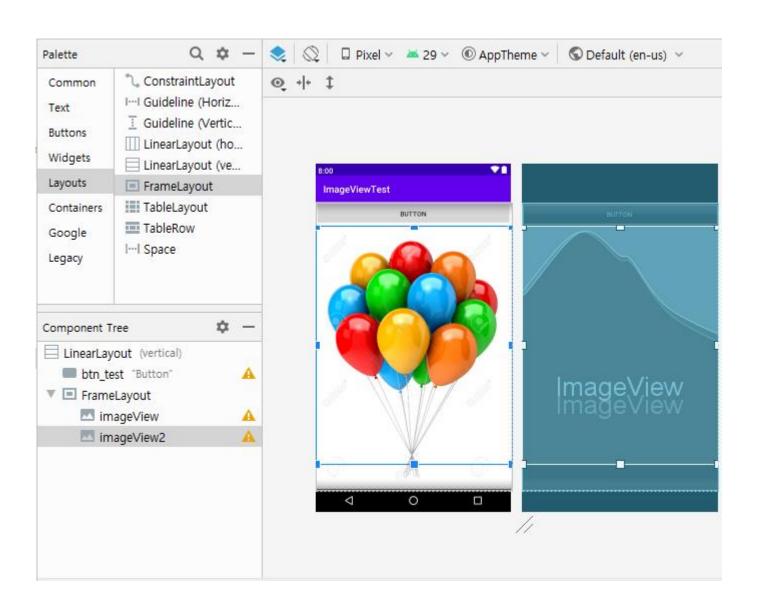
// textView.setText("Text is Changed.");
}
```

```
public class MainActivity extends AppCompatActivity {
    TextView textView;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        textView = findViewById(R.id.textView);
        textView.setVisibility(View.INVISIBLE);
        // textView.setText("Text is Changed.");
    }
}
```



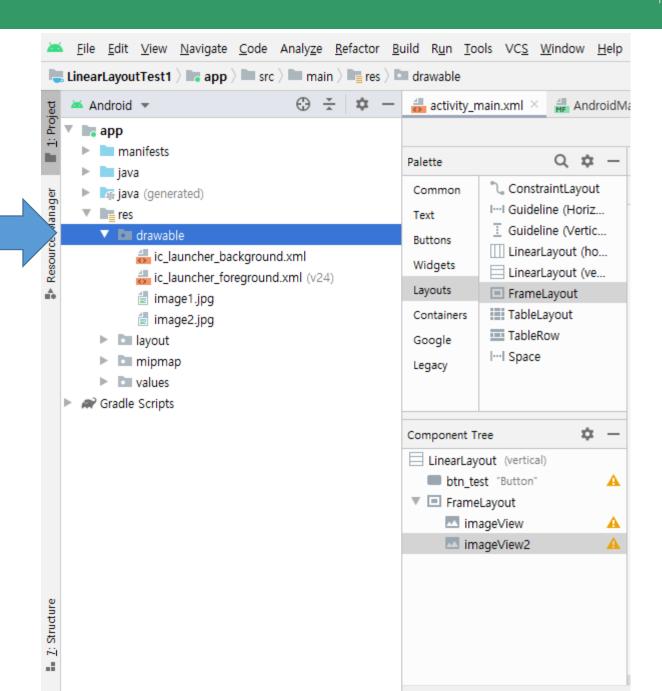




그림삽입방법

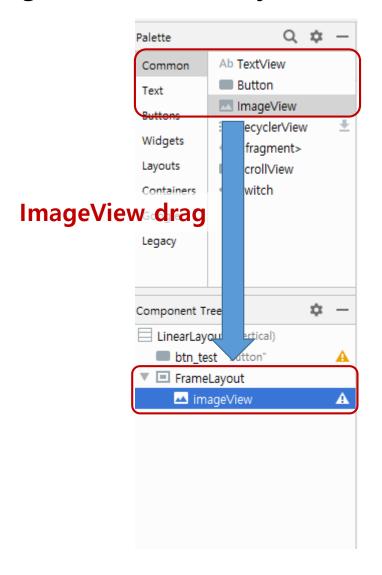
■ res → drawable 폴더에 그림을 drag

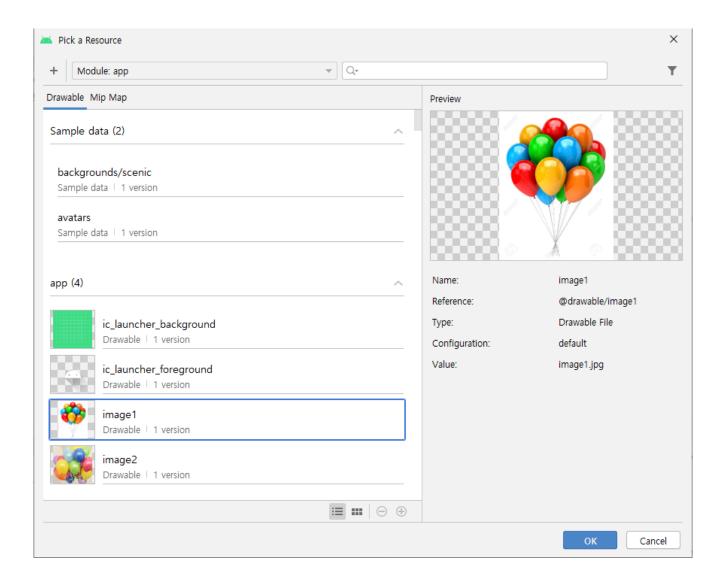
image1.jpg image2.jpg



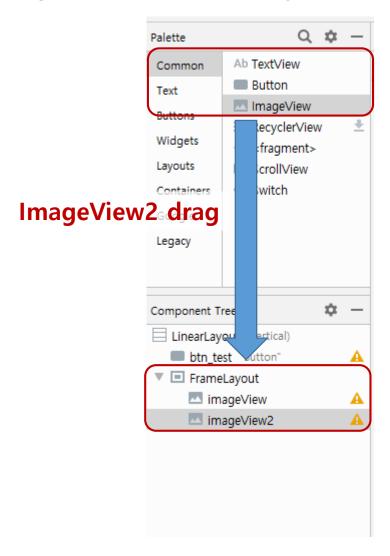
그림삽입방법

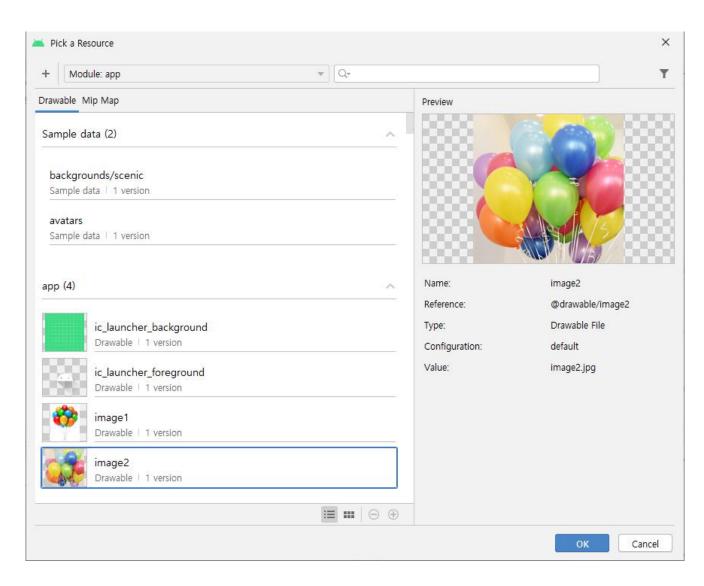
■ ImageView를 FrameLayout에 추가





■ ImageView2를 FrameLayout에 추가





```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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">
    <Button
        android:id="@+id/btn_test"
        android:layout width="match_parent"
        android:layout_height="wrap_content"
        android:text="Button" />
    <FrameLayout</pre>
        android:layout width="match parent"
        android:layout_height="match_parent">
        <ImageView</pre>
            android:id="@+id/imageView"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            app:srcCompat="@drawable/image1" />
        <ImageView</pre>
            android:id="@+id/imageView2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:visibility="invisible"
            app:srcCompat="@drawable/image2" />
    </FrameLayout>
</LinearLayout>
```

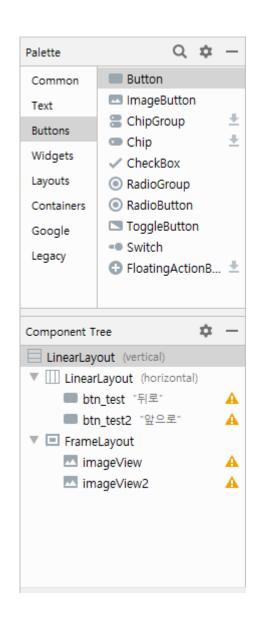
```
public class MainActivity extends AppCompatActivity {
    Button btn test;
    ImageView imageView;
    ImageView imageView2;
   int index=0;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        imageView = findViewById(R.id.imageView);
        imageView2 = findViewById(R.id.imageView2);
        btn test = findViewById(R.id.btn test);
        btn test.setOnClickListener(new View.OnClickListener() {
        @Override
            public void onClick(View v) {
               //다음 페이지에
        });
```

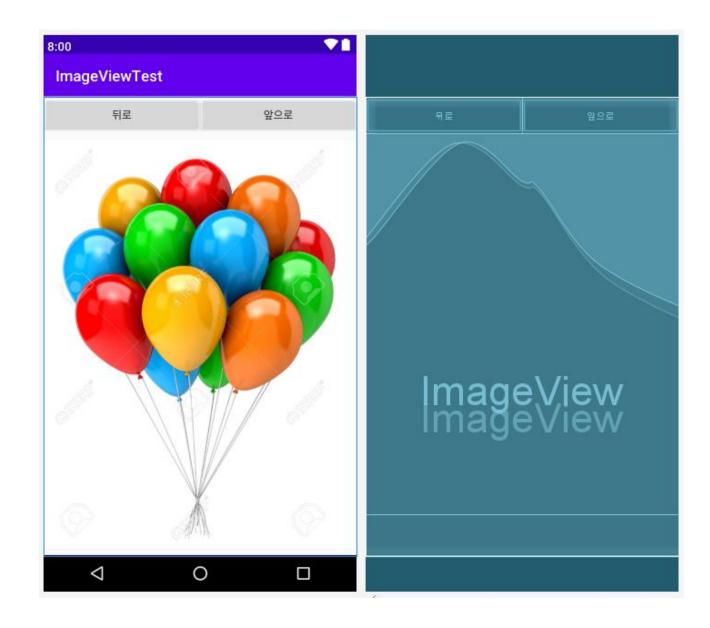
```
public class MainActivity extends AppCompatActivity {
    Button btn_test;
    ImageView imageView;
    ImageView imageView2;
    int index=0;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        imageView = findViewById(R.id.imageView);
        imageView2 = findViewById(R.id.imageView2);
        btn_test = findViewById(R.id.btn_test);
        btn test.setOnClickListener(new View.OnClickListener() {
        @Override
            public void onClick(View v) {
                index+=1;
                if(index>1){
                    index=0;
                if(index==0){
                    imageView.setVisibility(View.VISIBLE);
                    imageView2.setVisibility(View.INVISIBLE);
                else{
                    imageView.setVisibility(View.INVISIBLE);
                    imageView2.setVisibility(View.VISIBLE);
        });
```

```
public void onClick(View v) {
   index+=1;
   if(index>1){
      index=0;
   }
   if(index==0){
      imageView.setVisibility(View.VISIBLE);
      imageView2.setVisibility(View.INVISIBLE);
   }
   else{
      imageView.setVisibility(View.INVISIBLE);
      imageView2.setVisibility(View.VISIBLE);
   }
}
```









```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">
    <LinearLayout</pre>
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
        <Button
            android:id="@+id/btn_test"
            android:layout width="wrap content"
            android:layout_height="wrap_content"
            android:layout weight="1"
            android:text="뒤로" />
        <Button
            android:id="@+id/btn_test2"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:layout_weight="1"
            android:text="앞으로" />
    </LinearLayout>
    <FrameLayout</pre>
        android:layout_width="match_parent"
        android:layout height="match parent">
        <ImageView</pre>
            android:id="@+id/imageView"
            android:layout_width="wrap_content"
            android:layout height="wrap content"
            app:srcCompat="@drawable/image1" />
        <ImageView</pre>
            android:id="@+id/imageView2"
            android:layout width="wrap content"
            android:layout_height="wrap content"
            android:visibility="invisible"
            app:srcCompat="@drawable/image2" />
    </FrameLayout>
</LinearLayout>
```

```
public class MainActivity extends AppCompatActivity {
    Button btn test, btn test2;
    ImageView imageView, imageView2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        imageView = findViewById(R.id.imageView);
        imageView2 = findViewById(R.id.imageView2);
        btn test = findViewById(R.id.btn test);
        btn test.setOnClickListener(new View.OnClickListener() {
       @Override
            public void onClick(View v) {
                    imageView.setVisibility(View.VISIBLE);
                    imageView2.setVisibility(View.INVISIBLE);
       });
        btn test2 = findViewById(R.id.btn test2);
        btn test2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                imageView.setVisibility(View.INVISIBLE);
                imageView2.setVisibility(View.VISIBLE);
        });
```