LAB 1.1

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| Source (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:background="#ffffff"  android:orientation="vertical"**>   <**Button  android:id="@+id/button"  android:layout\_width="150dp"  android:layout\_height="60dp"  android:layout\_gravity="center"  android:text="Change Image"  android:onClick="onButton1Clicked"**/>    <**FrameLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"**>    <**ImageView  android:id="@+id/imageView3"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:visibility="invisible"  app:srcCompat="@android:drawable/alert\_light\_frame"** />   <**ImageView  android:id="@+id/imageView"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:visibility="visible"  app:srcCompat="@mipmap/ic\_launcher"** />   </**FrameLayout**>  </**LinearLayout**> |
| Source (MainActivity.java) |
| **package** org.androidtown.hello;  **import** android.content.Context; **import** android.support.v7.app.AppCompatActivity; **import** android.os.Bundle; **import** android.view.LayoutInflater; **import** android.view.View; **import** android.widget.Button; **import** android.widget.\*;  **public class** MainActivity **extends** AppCompatActivity {   *//ImageView 에 대한 변수를 선언합니다.* ImageView **imageView1**;  ImageView **imageView2**;   *//어떤 그림이 나올지 판별하는 변수입니다.* **int imageIndex** = 0;   @Override  **protected void** onCreate(Bundle savedInstanceState) {   **super**.onCreate(savedInstanceState);  setContentView(R.layout.***activity\_main***);   *//ImageView 변수에 대해서 각각 id를 매칭시켜줍니다.* **imageView1** = (ImageView) findViewById(R.id.***imageView***);  **imageView2** = (ImageView) findViewById(R.id.***imageView3***);   }   *//button의 클릭이벤트를 설정합니다.* **public void** onButton1Clicked(View v){  **this**.ChangeImage();  }   *//imageIndex 가 0이면 2번그림을 출력하고 1번그림을 숨기고  //그 반대면 1번그림을 보여주고 2번그림을 숨깁니다.* **private void** ChangeImage(){   **if**(**imageIndex** == 0){  **imageIndex** = 1;  **imageView1**.setVisibility(View.***INVISIBLE***);  **imageView2**.setVisibility(View.***VISIBLE***);  }  **else**{  **imageIndex** = 0;  **imageView1**.setVisibility(View.***VISIBLE***);  **imageView2**.setVisibility(View.***INVISIBLE***);  }  }    } |
| Images |
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LAB 1.2

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| Source (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:background="#ffffff"  android:orientation="vertical"**>    <**TableLayout  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"**>   <**TableRow  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"**>   <**TextView  android:id="@+id/textView"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Name"** />   <**EditText  android:id="@+id/editText"  android:layout\_width="match\_parent"  android:layout\_height="wrap\_content"  android:ems="15"  android:inputType="textPersonName"  android:text="Name"** />  </**TableRow**>  </**TableLayout**>   <**RelativeLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"**>   <**Button  android:id="@+id/clear"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentLeft="true"  android:layout\_alignParentStart="true"  android:layout\_alignParentTop="true"  android:text="clear"  android:onClick="clearCilcked"**/>   <**Button  android:id="@+id/print"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentTop="true"  android:layout\_toEndOf="@+id/clear"  android:layout\_toRightOf="@+id/clear"  android:onClick="printClicked"  android:text="print"** />   <**TextView  android:id="@+id/textView2"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_alignParentLeft="true"  android:layout\_alignParentStart="true"  android:layout\_below="@+id/clear"  android:text="Contents"** />  </**RelativeLayout**>  </**LinearLayout**> |
| Source (MainActivity.java) |
| **package** org.androidtown.hello;  **import** android.support.v7.app.AppCompatActivity; **import** android.os.Bundle; **import** android.view.View; **import** android.widget.\*;  **public class** MainActivity **extends** AppCompatActivity {   *// TextView와 EditText를 변수로 선언해줍니다.* **public** TextView **view\_print**;  **public** EditText **edit\_name**;   @Override  **protected void** onCreate(Bundle savedInstanceState) {   **super**.onCreate(savedInstanceState);  setContentView(R.layout.***activity\_main***);  *//View를 activity\_main로 선언합니다.* init(); *//초기화를 해줍니다.* }   **public void** init(){  *//변수와 해당하는 id 값으로 넣어줍니다.* **edit\_name** = findViewById(R.id.***editText***);  **view\_print** = findViewById(R.id.***textView2***);  }   *//clear버튼을 클릭했을때의 이벤트입니다.* **public void** clearCilcked(View v){  *//모든 텍스트를 초기값으로 설정합니다.* **edit\_name**.setText(**""**);  **view\_print**.setText(**"Context"**);  }   *//print버튼을 클릭했을때의 이벤트입니다.* **public void** printClicked(View v){  *//스트링 변수로 editname의 값을 가져옵니다.* String text = **""**;  text = **edit\_name**.getText().toString();   *//값을 가져온뒤에 값을 초기화 합니다.* **edit\_name**.setText(**""**);   *//내용을 print 해줍니다.* **view\_print**.setText(**view\_print**.getText().toString() + **"\n"** +text);   }     } |
| Images |
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