**PROGRAM 4**

**AIM:**

Develop an application that toggles image using FrameLayout

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| activity\_main.xml | <?xml version="1.0" encoding="utf-8"?>  <FrameLayout 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"  tools:context=".MainActivity">  <ImageView  android:id="@+id/imageView"  android:layout\_width="414dp"  android:layout\_height="351dp"  android:layout\_gravity="center"  android:baselineAlignBottom="false"  app:srcCompat="@drawable/pic1" />  <ImageView  android:id="@+id/imageView2"  android:layout\_width="400dp"  android:layout\_height="400dp"  android:layout\_gravity="center"  android:visibility="gone"  app:srcCompat="@drawable/pic2" />  </FrameLayout> |

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| MainActivity.java | package com.example.framelayout;  import androidx.appcompat.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View;  import android.widget.ImageView;  public class MainActivity extends AppCompatActivity implements View.OnClickListener {  ImageView i1,i2;  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.activity\_main);  i1=findViewById(R.id.imageView);  i2=findViewById(R.id.imageView2);  i1.setOnClickListener(this);  i2.setOnClickListener(this);  }  @Override  public void onClick(View v) {  if(v.getId()==R.id.imageView){  i1.setVisibility(v.GONE);  i2.setVisibility(v.VISIBLE);  }  else{  i1.setVisibility(v.VISIBLE);  i2.setVisibility(v.GONE);  }  }  @Override  public void onPointerCaptureChanged(boolean hasCapture) {  }  } |

**OUTPUT:**

 