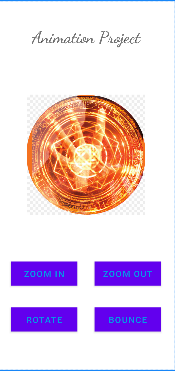
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| --- | --- |
| MainActivity.java  package com.example.animation;  import androidx.appcompat.app.AppCompatActivity;  import android.os.Bundle;  import android.view.View; import android.view.animation.Animation; import android.view.animation.AnimationUtils; import android.widget.Button; import android.widget.ImageView; public class MainActivity extends AppCompatActivity {  private Button zoominButton;  private Button zoomoutButton;  private Button rotateButton;  private Button bounceButton;  private ImageView imageView;  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.*activity\_main*);  zoominButton = findViewById(R.id.*zoominButton*);  zoomoutButton = findViewById(R.id.*zoomoutButton*);  rotateButton = findViewById(R.id.*rotateButton*);  bounceButton = findViewById(R.id.*bounceButton*);  imageView = findViewById(R.id.*imageView*);   bounceButton.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  imageView.setVisibility(view.*VISIBLE*);  Animation animation = AnimationUtils.*loadAnimation*(MainActivity.this,R.anim.*bounce*);  imageView.startAnimation(animation);  }  });  zoominButton.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  imageView.setVisibility(view.*VISIBLE*);  Animation animation = AnimationUtils.*loadAnimation*(MainActivity.this,R.anim.*zoomout*);  imageView.startAnimation(animation);  }  });  zoomoutButton.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  imageView.setVisibility(view.*VISIBLE*);  Animation animation = AnimationUtils.*loadAnimation*(MainActivity.this,R.anim.*zoomin*);  imageView.startAnimation(animation);  }  });  rotateButton.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  imageView.setVisibility(view.*VISIBLE*);  Animation animation = AnimationUtils.*loadAnimation*(MainActivity.this,R.anim.*rotate*);  imageView.startAnimation(animation);  }  });  } }  String.xml  <resources>  <string name="app\_name">Animation</string>  <string name="animation\_project">Animation Project</string>  <string name="drs">drS</string>  <string name="zoom\_in">Zoom In</string>  <string name="zoom\_out">Zoom out</string>  <string name="rotate">Rotate</string>  <string name="bounce">Bounce</string> </resources>    AndroidManifest.xml  <?xml version="1.0" encoding="utf-8"?> <manifest xmlns:android="http://schemas.android.com/apk/res/android"  package="com.example.animation">   <application  android:allowBackup="true"  android:icon="@mipmap/ic\_launcher"  android:label="@string/app\_name"  android:roundIcon="@mipmap/ic\_launcher\_round"  android:supportsRtl="true"  android:theme="@style/Theme.Animation">  <activity  android:name=".MainActivity"  android:exported="true">  <intent-filter>  <action android:name="android.intent.action.MAIN" />   <category android:name="android.intent.category.LAUNCHER" />  </intent-filter>  </activity>  </application>  </manifest> | activity\_main.xml  <?xml version="1.0" encoding="utf-8"?> <androidx.constraintlayout.widget.ConstraintLayout 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">   <Button  android:id="@+id/bounceButton"  android:layout\_width="152dp"  android:layout\_height="55dp"  android:background="@color/white"  android:hapticFeedbackEnabled="false"  android:text="@string/bounce"  android:textColor="#039BE5"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.868"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView"  app:layout\_constraintVertical\_bias="0.868" />   <Button  android:id="@+id/zoomoutButton"  android:layout\_width="152dp"  android:layout\_height="55dp"  android:background="@color/white"  android:hapticFeedbackEnabled="false"  android:text="@string/zoom\_out"  android:textColor="#039BE5"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.868"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView"  app:layout\_constraintVertical\_bias="0.715" />   <Button  android:id="@+id/rotateButton"  android:layout\_width="152dp"  android:layout\_height="55dp"  android:background="@color/white"  android:hapticFeedbackEnabled="false"  android:text="@string/rotate"  android:textColor="#039BE5"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.131"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView"  app:layout\_constraintVertical\_bias="0.868" />   <TextView  android:id="@+id/textView"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginTop="10dp"  android:fontFamily="cursive"  android:paddingTop="10dp"  android:text="@string/animation\_project"  android:textAlignment="center"  android:textSize="38sp"  android:textStyle="bold"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintHorizontal\_bias="0.0"  app:layout\_constraintLeft\_toLeftOf="parent"  app:layout\_constraintRight\_toRightOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.05" />   <ImageView  android:id="@+id/imageView"  android:layout\_width="269dp"  android:layout\_height="464dp"  android:contentDescription="@string/drs"  android:src="@drawable/drstrange"  android:visibility="visible"  app:layout\_constraintBottom\_toTopOf="@+id/bounceButton"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView"  app:layout\_constraintVertical\_bias="0.538"  tools:ignore="ImageContrastCheck" />   <Button  android:id="@+id/zoominButton"  android:layout\_width="152dp"  android:layout\_height="55dp"  android:background="@color/white"  android:hapticFeedbackEnabled="false"  android:text="@string/zoom\_in"  android:textColor="#039BE5"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.131"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView"  app:layout\_constraintVertical\_bias="0.715" /> </androidx.constraintlayout.widget.ConstraintLayout> |

Output

Zoom In Zoom Out Rotate Bounce

