package com.example.ptr42;

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;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

ImageView imageView;

Button translateButton, rotateButton;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

imageView = findViewById(R.id.imageView);

translateButton = findViewById(R.id.translateButton);

rotateButton = findViewById(R.id.rotateButton);

translateButton.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Animation move = AnimationUtils.loadAnimation(getApplicationContext(), R.anim.move);

imageView.startAnimation(move);

}

});

rotateButton.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Animation rotate = AnimationUtils.loadAnimation(getApplicationContext(), R.anim.rotate);

imageView.startAnimation(rotate);

}

});

}

}

Move.xml

<?xml version="1.0" encoding="utf-8"?>  
<set xmlns:android="http://schemas.android.com/apk/res/android"  
 android:interpolator="@android:anim/linear\_interpolator"  
 android:fillAfter="true">  
  
 <translate  
 android:fromXDelta="0"  
 android:toXDelta="300"  
 android:duration="1000" />  
</set>

Rotate.xml

<?xml version="1.0" encoding="utf-8"?>  
<set xmlns:android="http://schemas.android.com/apk/res/android">  
 <rotate  
 android:fromDegrees="0"  
 android:toDegrees="360"  
 android:pivotX="50%"  
 android:pivotY="50%"  
 android:duration="1000" />  
</set>

MainActivity.java

package com.example.ptr42;  
  
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;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
  
 ImageView imageView;  
 Button translateButton, rotateButton;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 imageView = findViewById(R.id.*imageView*);  
 translateButton = findViewById(R.id.*translateButton*);  
 rotateButton = findViewById(R.id.*rotateButton*);  
  
 translateButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Animation move = AnimationUtils.*loadAnimation*(getApplicationContext(), R.anim.*move*);  
 imageView.startAnimation(move);  
 }  
 });  
  
 rotateButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Animation rotate = AnimationUtils.*loadAnimation*(getApplicationContext(), R.anim.*rotate*);  
 imageView.startAnimation(rotate);  
 }  
 });  
 }  
}