ANIMATIONS

package com.example.animations;

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.TextView;

public class MainActivity extends AppCompatActivity {

TextView tv;

Animation fade\_in,fade\_out,blink,zoomin,rotate;

Button btnfadein,btnfadeout,btnblink,btnzoomin,btnrotate;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

tv=findViewById(R.id.tv\_output);

btnzoomin = findViewById(R.id.btn\_zoomin);

btnblink = findViewById(R.id.btn\_blink);

btnfadein = findViewById(R.id.btn\_fadein);

btnfadeout = findViewById(R.id.btn\_fadeout);

btnrotate = findViewById(R.id.btn\_rotate);

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

zoomin = AnimationUtils.loadAnimation(getApplicationContext(),R.anim.zoom\_in);

blink = AnimationUtils.loadAnimation(getApplicationContext(),R.anim.blink);

fade\_out = AnimationUtils.loadAnimation(getApplicationContext(),R.anim.fade\_out);

fade\_in = AnimationUtils.loadAnimation(getApplicationContext(),R.anim.fade\_in);

btnfadein.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

tv.setVisibility(View.VISIBLE);

tv.startAnimation(fade\_in);

}

});

btnfadeout.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

tv.setVisibility(View.VISIBLE);

tv.startAnimation(fade\_out);

}

});

btnblink.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

tv.setVisibility(View.VISIBLE);

tv.startAnimation(blink);

}

});

btnzoomin.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

tv.setVisibility(View.VISIBLE);

tv.startAnimation(zoomin);

}

});

btnrotate.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

tv.setVisibility(View.VISIBLE);

tv.startAnimation(rotate);

}

});

}

}

ANIMATION RESOURCE FILE:

BLINK

<?xml version="1.0" encoding="utf-8"?>

<set xmlns:android="http://schemas.android.com/apk/res/android">

<alpha

android:duration="1000"

android:toAlpha="0.0"

android:fromAlpha="1.0"

android:repeatMode="reverse"

android:repeatCount="infinite"

android:interpolator="@android:anim/accelerate\_interpolator">

</alpha>

</set>

FADE IN

<?xml version="1.0" encoding="utf-8"?>

<set xmlns:android="http://schemas.android.com/apk/res/android">

<alpha

android:duration="3000"

android:fromAlpha="0.0"

android:toAlpha="1.0"

android:interpolator="@android:anim/accelerate\_interpolator"

>

</alpha>

</set>

FADE OUT

<?xml version="1.0" encoding="utf-8"?>

<set xmlns:android="http://schemas.android.com/apk/res/android">

<alpha

android:duration="3000"

android:fromAlpha="1.0"

android:toAlpha="0.0"

android:interpolator="@android:anim/accelerate\_interpolator"

></alpha>

</set>

ZOOM IN

<?xml version="1.0" encoding="utf-8"?>

<set xmlns:android="http://schemas.android.com/apk/res/android">

<scale

android:duration="2000"

android:fromXScale="1"

android:fromYScale="1"

android:toXScale="5"

android:toYScale="5"

android:pivotX="50%"

android:pivotY="50%"

></scale>

</set>

ROTATE

<?xml version="1.0" encoding="utf-8"?>

<set xmlns:android="http://schemas.android.com/apk/res/android">

<rotate

android:duration="2000"

android:fromDegrees="0"

android:toDegrees="360"

android:pivotX="50"

android:pivotY="50"

android:repeatMode="restart"

android:repeatCount="infinite"

></rotate>

</set>