

## Практика 13

```
activity_main.xml × animation_new.xml cat_animation.xml MainActivity.kt
1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
3   xmlns:app="http://schemas.android.com/apk/res-auto"
4   xmlns:tools="http://schemas.android.com/tools"
5   android:id="@+id/main"
6   android:layout_width="match_parent"
7   android:layout_height="match_parent"
8   tools:context=".MainActivity">
9   <ImageView
10     android:id="@+id/ivAnimCat"
11     android:layout_width="200dp"
12     android:layout_height="200dp"
13     android:src="@drawable/dog"
14     app:layout_constraintBottom_toBottomOf="parent"
15     app:layout_constraintEnd_toEndOf="parent"
16     app:layout_constraintStart_toStartOf="parent"
17     app:layout_constraintTop_toTopOf="parent" />
18 </androidx.constraintlayout.widget.ConstraintLayout>
```

```
activity_main.xml animation_new.xml × cat_animation.xml MainActivity.kt
1 <?xml version="1.0" encoding="utf-8"?>
2 <set xmlns:android="http://schemas.android.com/apk/res/android"
3   android:interpolator="@android:anim/linear_interpolator">
4   <scale android:fromXScale="1.0" android:toXScale="0.5"
5     android:fromYScale="1.0" android:toYScale="0.5"
6     android:pivotX="50%" android:pivotY="50%" android:duration="4500"
7     android:repeatCount="infinite" android:repeatMode="reverse" />
8   <rotate
9     android:fromDegrees="0.0"
10    android:toDegrees="60.0"
11    android:pivotX="50%"
12    android:pivotY="50%" />
13   <alpha android:fromAlpha="1.0" android:toAlpha="0.1"
14     android:duration="2250"
15     android:repeatCount="infinite" android:repeatMode="reverse" />
16   <translate android:fromXDelta="0.0"
17     android:toXDelta="50.0"
18     android:fromYDelta="20.0"
19     android:toYDelta="80.0"
20     android:duration="2250"
21     android:repeatMode="reverse"
22     android:repeatCount="infinite" />
23 </set>
```

```
activity_main.xml animation_new.xml cat_animation.xml × MainActivity.kt
1 <?xml version="1.0" encoding="utf-8"?>
2 <animation-list xmlns:android="http://schemas.android.com/apk/res/android" android:oneshot="false">
3   <item android:drawable="@drawable/first" android:duration="250" />
4   <item android:drawable="@drawable/pic2" android:duration="250" />
5   <item android:drawable="@drawable/pic3" android:duration="250" />
6   <item android:drawable="@drawable/pic4" android:duration="250" />
7 </animation-list>
```

```
activity_main.xml  animation_new.xml  cat_animation.xml  MainActivity.kt x
1  package com.example.practice13
2
3  import android.annotation.SuppressLint
4  import android.graphics.drawable.AnimationDrawable
5  import android.os.Bundle
6  import android.view.animation.Animation
7  import android.view.animation.AnimationUtils
8  import android.widget.ImageView
9  import androidx.activity.enableEdgeToEdge
10 import androidx.appcompat.app.AppCompatActivity
11 import androidx.core.view.ViewCompat
12 import androidx.core.view.WindowInsetsCompat
13
14 class MainActivity : AppCompatActivity() {
15     @SuppressLint("MissingInflatedId")
16     override fun onCreate(savedInstanceState: Bundle?) {
17         super.onCreate(savedInstanceState)
18         enableEdgeToEdge()
19         setContentView(R.layout.activity_main)
20         val imgCat : ImageView = findViewById(R.id.ivAnimCat)
21         val anim : Animation = AnimationUtils.loadAnimation(context, this, R.anim.animation_new)
22         imgCat.startAnimation(anim)
23     }
24 }
```