

ПРАКТИКА 13

```
Manifest.xml MainActivity.kt new_animation.xml ic_launcher_foreground.xml activity_main.xml

class MainActivity : AppCompatActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        img = findViewById(R.id.ivAnim)
        val btnCellAnimation: Button = findViewById(R.id.btnCellAnimation)
        val btnTweenAnimation: Button = findViewById(R.id.btnTweenAnimation)

        btnCellAnimation.setOnClickListener {
            startCellAnimation()
        }

        btnTweenAnimation.setOnClickListener {
            startTweenAnimation()
        }
    }

    private fun startCellAnimation() {
        img.setBackgroundResource(R.drawable.cat_animation) // Устанавливаем ресурс анимации
        frameAnimation = img.background as AnimationDrawable
        img.visibility = View.VISIBLE
        frameAnimation.start() // Запускаем анимацию
    }

    private fun startTweenAnimation() {
        img.setImageResource(R.drawable.w1) // Установите свой ресурс изображения
        img.visibility = View.VISIBLE
        val anim = AnimationUtils.loadAnimation(this, R.anim.new_animation)
        img.startAnimation(anim) // Запускаем Tween-анимацию
    }
}
```

```
<?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"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <ImageView
        android:id="@+id/ivAnim"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:visibility="gone" />

    <Button
        android:id="@+id/btnCellAnimation"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Cell-анимация"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintStart_toStartOf="parent" />

    <Button
        android:id="@+id/btnTweenAnimation"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Tween-анимация"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
Manifest.xml MainActivity.kt new_animation.xml ic_launcher_foreground.xml activity_main.xml

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>
```

```
Manifest.xml MainActivity.kt new_animation.xml ic_launcher_foreground.xml activity_main.xml cat_animation.xml

1 <?xml version="1.0" encoding="utf-8"?>
2 <animation-list xmlns:android="http://schemas.android.com/apk/res/android"
3     android:oneshot="false">
4     <item android:drawable="@drawable/w1" android:duration="250" />
5     <item android:drawable="@drawable/w2" android:duration="250" />
6     <item android:drawable="@drawable/w1" android:duration="250" />
7     <item android:drawable="@drawable/w4" android:duration="250" />
8     <item android:drawable="@drawable/w5" android:duration="250" />
9     <item android:drawable="@drawable/w6" android:duration="250" />
10    <item android:drawable="@drawable/w7" android:duration="250" />
11    <item android:drawable="@drawable/w8" android:duration="250" />
12    <item android:drawable="@drawable/w9" android:duration="250" />
13    <item android:drawable="@drawable/w10" android:duration="250" />
14 </animation-list>
```

