



Unidad Profesional Interdisciplinaria en Ingeniería y
Tecnologías Avanzadas

DISPOSITIVOS MÓVILES

Práctica 24

Grupo: 2TM19

Gallegos Ruiz Diana Abigail

1 XML

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout 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:layout_width="match_parent"
6   android:layout_height="match_parent"
7   android:orientation="vertical"
8   tools:context=".MainActivity"
9   android:padding="40dp"
10  android:id="@+id/ly1">
11
12
13  <TextView
14    android:id="@+id/texto1"
15    android:layout_marginTop="40dp"
16    android:layout_width="wrap_content"
17    android:layout_height="wrap_content"
18    android:text="Animaciones!"
19    android:textSize="24dp"
20  />
21
22  <TextView
23    android:layout_marginTop="40dp"
24    android:layout_width="wrap_content"
25    android:layout_height="wrap_content"
26    android:text="UPIITA"
27    android:textSize="24dp"
28  />
29  <TextView
30    android:layout_marginTop="40dp"
31    android:layout_width="wrap_content"
32    android:layout_height="wrap_content"
33    android:text="Instituto Politecnico Nacional"
34    android:textSize="24dp"
35  />
36  <TextView
37    android:layout_marginTop="40dp"
38    android:layout_width="wrap_content"
39    android:layout_height="wrap_content"
40    android:text="Programaci n de dispositivos M viles!"
41    android:textSize="24dp"
42  />
43  <Button
44    android:layout_marginTop="80dp"
45    android:layout_width="match_parent"
46    android:layout_height="wrap_content"
47    android:textSize="20dp"
48    android:text="Boton 1"/>
```

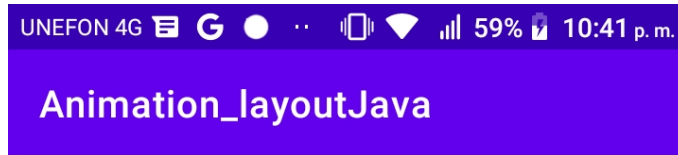
```
49
50
51 </LinearLayout>
```

2 JAVA

```
1 package com.example.animation_layoutjava;
2 import androidx.appcompat.app.AppCompatActivity;
3
4 import android.os.Bundle;
5 import android.text.Layout;
6 import android.view.View;
7 import android.view.animation.Animation;
8 import android.view.animation.BounceInterpolator;
9 import android.view.animation.LayoutAnimationController;
10 import android.view.animation.LinearInterpolator;
11 import android.view.animation.ScaleAnimation;
12 import android.view.animation.TranslateAnimation;
13 import android.widget.LinearLayout;
14 import android.widget.TextView;
15
16 public class MainActivity extends AppCompatActivity implements Animation
17     .AnimationListener {
18
19     TextView tv1;
20     Animation anim1, anim2;
21     LinearLayout ly1;
22
23     @Override
24     protected void onCreate(Bundle savedInstanceState) {
25         super.onCreate(savedInstanceState);
26         setContentView(R.layout.activity_main);
27
28         ly1 = (LinearLayout) findViewById(R.id.ly1);
29
30         //Animation de traslaci n
31         int rs1 = TranslateAnimation.RELATIVE_TO_SELF;
32         anim1= new TranslateAnimation(rs1,1f,rs1,0f,rs1,0f,rs1,0f);
33         anim1.setDuration(3000);
34         anim1.setInterpolator(new LinearInterpolator());
35         anim1.setFillAfter(true);
36
37         //Animaci n de escalamiento
38         int rs2 = ScaleAnimation.RELATIVE_TO_SELF;
39         anim2 = new ScaleAnimation(1,2,1,2,rs2,0f,rs2,0f);
40         anim2.setInterpolator(new BounceInterpolator());
41         anim1.setFillAfter(true);
42
```

```
43     // tv1=(TextView) findViewById(R.id.texto1); //tv1.startAnimation(
    anim2);
44
45     //Creando el objeto Layout Animation
46     LayoutAnimationController controlAnmacion = new
LayoutAnimationController(anim1);
47     controlAnmacion.setDelay(1);
48     controlAnmacion.setOrder(LayoutAnimationController.ORDER_NORMAL);
49     ly1.setLayoutAnimation(controlAnmacion);
50 }
51
52 @Override
53 public void onAnimationStart (Animation animation){
54
55 }
56
57 @Override
58 public void onAnimationEnd (Animation animation){
59     tv1 = (TextView) findViewById(R.id.texto1);
60     tv1.setText("FIN DE LA ANIMACION");
61     tv1.startAnimation(anim2);
62 }
63
64 @Override
65 public void onAnimationRepeat (Animation animation){
66
67 }
68 }
```

3 Resultados



Animaciones!

UPIITA

Instituto Politecnico
Nacional

Programación de
dispositivos Móviles

