Unidad Profesional Interdisciplinaria en Ingeniería y Tecnologías Avanzadas

Dispositivos Móviles

Práctica 24

Grupo: 2TM19

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1 XML

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:orientation="vertical"
tools:context=".MainActivity"
android:padding="40dp"
android:id="@+id/ly1">


<TextView
android:id="@+id/texto1"
android:layout_marginTop="40dp"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Animaciones!"
android:textSize="24dp"
/>

<TextView
android:layout_marginTop="40dp"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="UPIITA"
android:textSize="24dp"
/>
<TextView
android:layout_marginTop="40dp"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Instituto Politecinco Nacional"
android:textSize="24dp"
/>
<TextView
android:layout_marginTop="40dp"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Programaci n de dispositivos M viles!"
android:textSize="24dp"
/>
<Button
android:layout_marginTop="80dp"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:textSize="20dp"
android:text="Boton 1"/>
```
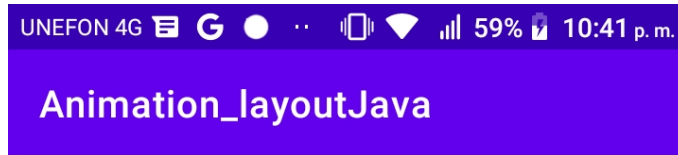
```
49
50
51    </LinearLayout>
```

2   JAVA

```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
      .AnimationListener {
17
18     TextView tv1;
19     Animation anim1, anim2;
20     LinearLayout ly1;
21
22     @Override
23     protected void onCreate(Bundle savedInstanceState) {
24       super.onCreate(savedInstanceState);
25       setContentView(R.layout.activity_main);
26
27       ly1 = (LinearLayout) findViewById(R.id.ly1);
28
29       //Animation de traslaci n
30       int rs1 = TranslateAnimation.RELATIVE_TO_SELF;
31       anim1= new TranslateAnimation(rs1,1f,rs1,0f,rs1,0f,rs1,0f);
32       anim1.setDuration(3000);
33       anim1.setInterpolator(new LinearInterpolator());
34       anim1.setFillAfter(true);
35
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 ANIMACI N");
61      tv1.startAnimation(anim2);
62    }
63
64    @Override
65    public void onAnimationRepeat (Animation animation){
66
67    }
68  }
```

3   Resultados

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Animation_layoutJava

Animaciones!

UPIITA

Instituto Politecinco
Nacional

Programación de
dispositivos Móviles

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