Unidad Profesional Interdisciplinaria en Ingeniería y Tecnologías Avanzadas

Dispositivos Móviles

Práctica 18

Grupo: 2TM19

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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  android:background="@color/cardview_dark_background">
12
13
14  <TextView
15  android:id="@+id/texto1"
16  android:textColor="@color/white"
17  android:layout_marginTop="40dp"
18  android:layout_width="wrap_content"
19  android:layout_height="wrap_content"
20  android:text="Animaciones"
21  android:fontFamily="@font/montserrat_regular"
22  android:textSize="24dp"
23  />
24
25  <TextView
26  android:textColor="@color/white"
27  android:layout_marginTop="70dp"
28  android:layout_width="wrap_content"
29  android:layout_height="wrap_content"
30  android:text="UPIITA"
31  android:fontFamily="@font/montserrat_regular"
32  android:textSize="24dp"
33  />
34  <TextView
35  android:textColor="@color/white"
36  android:layout_marginTop="40dp"
37  android:layout_width="wrap_content"
38  android:layout_height="wrap_content"
39  android:text="Instituto Politecinco Nacional"
40  android:fontFamily="@font/montserrat_regular"
41  android:textSize="24dp"
42  />
43  <TextView
44  android:textColor="@color/white"
45  android:layout_marginTop="40dp"
46  android:layout_width="wrap_content"
47  android:layout_height="wrap_content"
48  android:fontFamily="@font/montserrat_regular"
```

```
49    android:text="Programaci n de dispositivos M viles"
50    android:textSize="24dp"
51    />
52    <Button
53    android:fontFamily="@font/montserrat_regular"
54    android:layout_marginTop="80dp"
55    android:layout_width="match_parent"
56    android:layout_height="wrap_content"
57    android:textSize="20dp"
58    android:text="Boton 1"/>
59
60
61    </LinearLayout>
```

2 JAVA

```
1    package com.example.animacionesjava;
2
3    import androidx.appcompat.app.AppCompatActivity;
4
5    import android.os.Bundle;
6    import android.view.animation.Animation;
7    import android.view.animation.AnimationSet;
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    import android.widget.Toast;
16
17    public class MainActivity extends AppCompatActivity implements Animation
      .AnimationListener {
18
19      TextView tv1;
20      AnimationSet animaciones;
21      Animation anim1, anim2;
22      LinearLayout ly1;
23
24      @Override
25      protected void onCreate(Bundle savedInstanceState) {
26        super.onCreate(savedInstanceState);
27        Toast.makeText(this, "aqui estoy en el oncreate", Toast.LENGTH_LONG)
      .show();
28        setContentView(R.layout.activity_main);
29        ly1 = (LinearLayout) findViewById(R.id.ly1);
30        tv1 = (TextView) findViewById(R.id.texto1);//tv1.startAnimation(
      anim2);
```

```
31      //Animation de traslaci n
32
33      int rs1 = TranslateAnimation.RELATIVE_TO_SELF;
34      anim1 = new TranslateAnimation(rs1, 1f, rs1, 0f, rs1, 0f, rs1, 0f);
35      anim1.setDuration(2000);
36      anim1.setInterpolator(new LinearInterpolator());
37      anim1.setFillAfter(true);
38      anim1.setAnimationListener(this);
39
40      //Animaci n de escalamiento
41      int rs2 = ScaleAnimation.RELATIVE_TO_SELF;
42      anim2 = new ScaleAnimation(1, 2, 1, 2, rs2, 0f, rs2, 0f);
43      anim2.setDuration(1000);
44      anim2.setInterpolator(new BounceInterpolator());
45      anim2.setFillAfter(true);
46
47
48      //Animaci n combinada
49      animaciones = new AnimationSet(true);
50      animaciones.addAnimation(anim1);
51      animaciones.addAnimation(anim2);
52
53      //Creando el objeto Layout Animation
54      LayoutAnimationController controlAnmacion = new
    LayoutAnimationController(anim1);
55      controlAnmacion.setDelay(1);
56      controlAnmacion.setOrder(LayoutAnimationController.ORDER_NORMAL);
57      ly1.setLayoutAnimation(controlAnmacion);
58
59    }
60
61    @Override
62    public void onAnimationStart(Animation animation) {
63
64    }
65
66    @Override
67    public void onAnimationEnd(Animation animation) {
68      tv1.setText("FIN");
69      tv1.startAnimation(animaciones);
70    }
71
72    @Override
73    public void onAnimationRepeat(Animation animation) {
74
75    }
76
77  }
```

3   Resultados

Se anexa video