



```
package com.tywors.animacion;
import android.os.Bundle;
import android.animation.AnimatorSet;
import android.app.Activity;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.view.animation.Animation;
import android.view.animation.Animation.AnimationListener;
import android.view.animation.AnimationSet;
import android.view.animation.BounceInterpolator;
import android.view.animation.RotateAnimation;
import android.view.animation.TranslateAnimation;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.TextView;
public class Animacion extends Activity {
    private TextView texto_1;
    private EditText ed_1;
    private Button bt_girar, bt_mover_y_girar;
    private ImageView imagen;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_animacion);

        texto_1 = (TextView)findViewById(R.id.texto_1);
        ed_1 = (EditText)findViewById(R.id.ed_text1);
        bt_girar = (Button)findViewById(R.id.bt_girar);
        imagen = (ImageView)findViewById(R.id.imageView1);
        bt_mover_y_girar = (Button)findViewById(R.id.bt_moverygirar);

        Animacion_ida();
    }
}
```

```
bt_girar.setOnClickListener(new OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        RotateAnimation anim_rotate = new RotateAnimation(0, 360, 0, 0);  
        anim_rotate.setDuration(1500);  
        ed_1.startAnimation(anim_rotate);  
    }  
});
```

```
bt_mover_y_girar.setOnClickListener(new OnClickListener() {  
    @Override  
    public void onClick(View v) {  
        mover_y_girar();  
    }  
});  
}
```

```
private void Animacion_ida(){  
    TranslateAnimation trans_1 = new TranslateAnimation(-700, 700, 0, 0);  
    trans_1.setDuration(9000);  
    trans_1.setAnimationListener(new AnimationListener() {  
        @Override  
        public void onAnimationStart(Animation animation) {}  
        @Override  
        public void onAnimationRepeat(Animation animation) {}  
        @Override  
        public void onAnimationEnd(Animation animation) {  
            Animacion_vuelta();  
        }  
    });  
    texto_1.startAnimation(trans_1);  
}
```

```
private void Animacion_vuelta(){  
    TranslateAnimation trans_2 = new TranslateAnimation(700, -700, 0, 0);  
    trans_2.setDuration(9000);  
    trans_2.setAnimationListener(new AnimationListener() {  
        @Override  
        public void onAnimationStart(Animation animation) {}  
    });  
}
```

@Override

```
public void onAnimationRepeat(Animation animation) {}
```

@Override

```
public void onAnimationEnd(Animation animation) {
```

```
    Animacion_ida();
```

```
}
```

```
});
```

```
texto_1.startAnimation(trans_2);
```

```
}
```

```
private void mover_y_girar(){
```

```
    TranslateAnimation traslacion = new TranslateAnimation(0, 550, 0, 0);
```

```
    traslacion.setDuration(4000);
```

```
    RotateAnimation rotacion = new RotateAnimation(0, 360,
```

```
    imagen.getWidth()/2,imagen.getHeight()/2);
```

```
    rotacion.setDuration(2000);
```

```
    rotacion.setRepeatCount(2);
```

```
    AnimationSet animacion_kid = new AnimationSet(true);
```

```
    animacion_kid.setInterpolator(new BounceInterpolator());
```

```
    animacion_kid.addAnimation(traslacion);
```

```
    animacion_kid.addAnimation(rotacion);
```

```
    imagen.startAnimation(animacion_kid);
```

```
}
```

```
}
```