



# UNIVERSIDAD DE COLIMA

Universidad de Colima

Facultad de Telemática

Ingeniería de software

Programación de Móviles

## **Trabajo Independiente - Dibujar: texto en Android Studio con Kotlin**

Tercera parcial

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5°D

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## activity\_main.xml

```
<?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"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/layout1"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity" />
```

## Interfaz



## MainActivity.kt

```
package com.example.dibujartexto

import android.annotation.SuppressLint
import android.content.Context
import android.graphics.Canvas
import android.graphics.Paint
import android.graphics.Typeface
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.view.View
import kotlinx.android.synthetic.main.activity_main.*
```

```

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        val fondo = Lienzo(this)
        layout1.addView(fondo)
    }

    class Lienzo(context: Context) : View(context) {

        @SuppressWarnings("WrongConstant")
        override fun onDraw(canvas: Canvas) {
            canvas.drawRGB(0, 0, 0)
            val pincel1 = Paint()
            pincel1.setARGB(255, 255, 0, 0)
            pincel1.setTextSize(60f)
            pincel1.setTypeface(Typeface.SERIF)
            canvas.drawText("Hola Mundo (SERIF)", 10f, 100f, pincel1)

            pincel1.setTypeface(Typeface.SANS_SERIF)
            canvas.drawText("Hola Mundo (SANS SERIF)", 10f, 200f, pincel1)

            pincel1.setTypeface(Typeface.MONOSPACE)
            canvas.drawText("Hola Mundo (MONOSPACE)", 10f, 300f, pincel1)

            var tf = Typeface.create(Typeface.SERIF, Typeface.ITALIC)
            pincel1.setTypeface(tf)
            canvas.drawText("Hola Mundo (SERIF ITALIC)", 10f, 400f, pincel1)

            tf = Typeface.create(Typeface.SERIF, Typeface.BOLD or
Typeface.ITALIC)
            pincel1.setTypeface(tf)
            canvas.drawText("Hola Mundo (SERIF ITALIC BOLD)", 10f, 500f,
pincel1)
        }
    }
}

```