



UNIVERSIDAD DE COLIMA

Universidad de Colima

Facultad de Telemática

Ingeniería de software

Programación de Móviles

Almacenamiento de datos en un archivo de texto en la memoria interna en Android con Kotlin

Segunda parcial

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5°D

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Problema 1

Codigo XML

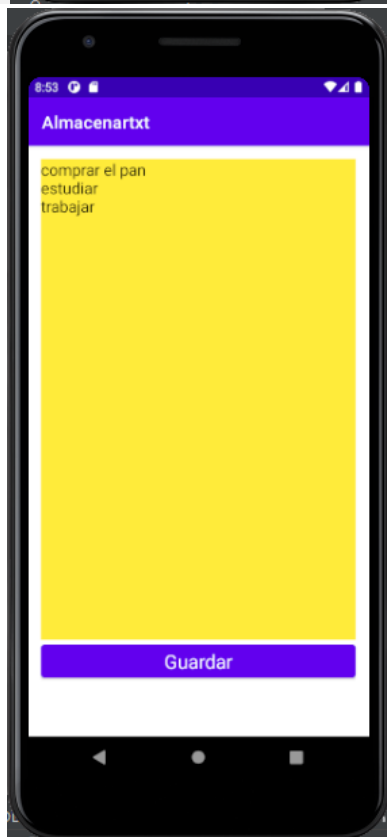
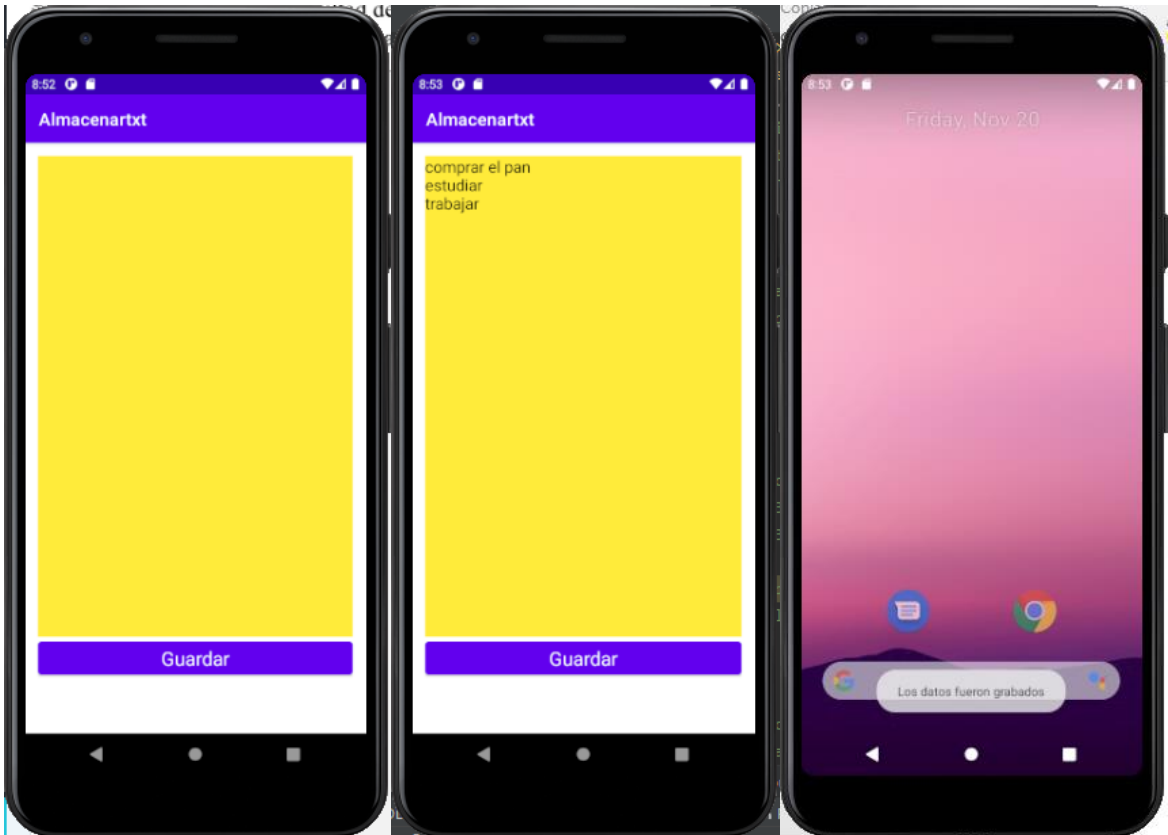
```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical"
        android:padding="15dp">

        <EditText
            android:id="@+id/et1"
            android:layout_width="match_parent"
            android:layout_height="553dp"
            android:background="#FFEB3B"
            android:ems="10"
            android:gravity="start|top|left"
            android:inputType="textMultiLine" />

        <Button
            android:id="@+id/b1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Guardar"
            android:textAppearance="@style/TextAppearance.AppCompat.Large" />
    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

Interfaz



Codigo Kotlin

```
package com.example.almacenartxt

import android.app.Activity
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Toast
import kotlinx.android.synthetic.main.activity_main.*
import java.io.BufferedReader
import java.io.IOException
import java.io.InputStreamReader
import java.io.OutputStreamWriter

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        if (fileList().contains("notas.txt")) {
            try {
                val archivo = InputStreamReader(openFileInput("notas.txt"))
                val br = BufferedReader(archivo)
                var linea = br.readLine()
                val todo = StringBuilder()
                while (linea != null) {
                    todo.append(linea + "\n")
                    linea = br.readLine()
                }
                br.close()
                archivo.close()
                et1.setText(todo)
            } catch (e: IOException) {
            }
        }

        b1.setOnClickListener {
            try {
                val archivo = OutputStreamWriter(openFileOutput("notas.txt",
                    Activity.MODE_PRIVATE))
                archivo.write(et1.text.toString())
                archivo.flush()
                archivo.close()
            } catch (e: IOException) {
            }
            Toast.makeText(this, "Los datos fueron grabados",
                Toast.LENGTH_SHORT).show()
            finish()
        }
    }
}
```

Problema 2

Codigo 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:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical"
        android:padding="15dp">

        <TextView
            android:id="@+id/tv1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Fecha"
            android:textAppearance="@style/TextAppearance.AppCompat.Large" />

        <EditText
            android:id="@+id/etd1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:ems="10"
            android:hint="Ingresa Fecha"
            android:inputType="date"
            android:textAppearance="@style/TextAppearance.AppCompat.Large" />

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal">

            <Button
                android:id="@+id/b1"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:text="Guardar"
                android:textAppearance="@style/TextAppearance.AppCompat.Large"
/>

            <Button
                android:id="@+id/b2"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_weight="1"
```

```

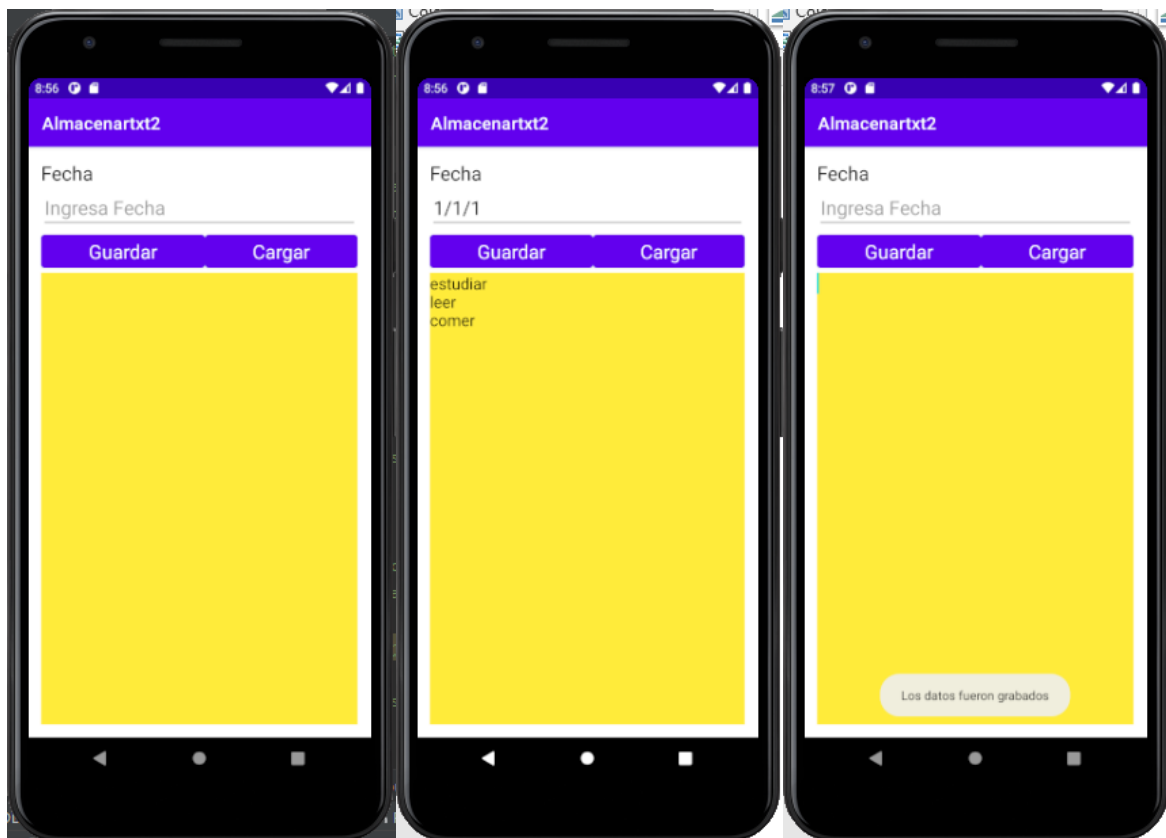
        android:text="Cargar"
        android:textAppearance="@style/TextAppearance.AppCompat.Large"
    />

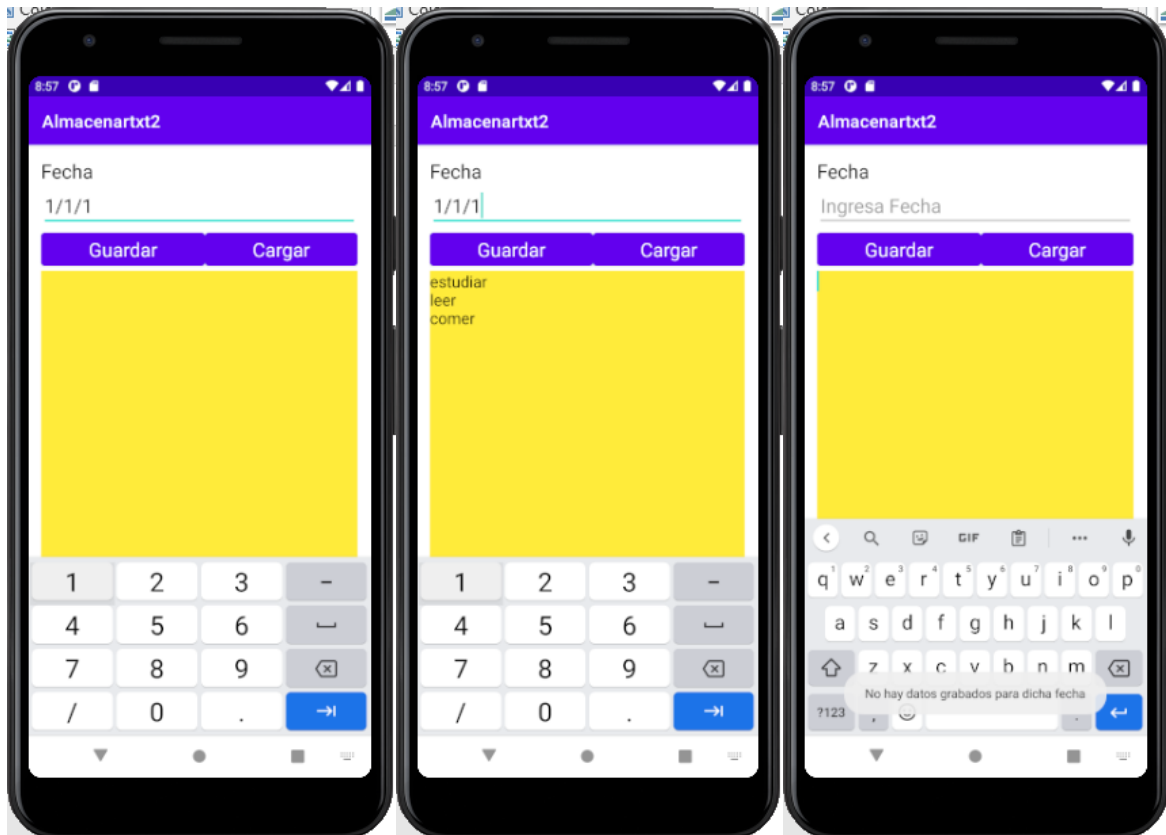
    </LinearLayout>

    <EditText
        android:id="@+id/et1"
        android:layout_width="match_parent"
        android:layout_height="572dp"
        android:background="#FFEB3B"
        android:ems="10"
        android:gravity="start|top"
        android:inputType="textMultiLine" />
    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>

```

Interfaz





Codigo Kotlin

```
package com.example.almacenarsharedpreferences2

import android.content.Context
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Toast
import kotlinx.android.synthetic.main.activity_main.*

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val preferencias = getSharedPreferences("agenda", Context.MODE_PRIVATE)
        b1.setOnClickListener{
            val editor = preferencias.edit()
            editor.putString(et1.text.toString(), et2.text.toString())
            editor.commit()
            Toast.makeText(this, "Datos grabados", Toast.LENGTH_LONG).show()
            et1.setText("")
            et2.setText("")
        }
        b2.setOnClickListener {
            val datos = preferencias.getString(et1.text.toString(), "")
            if (datos.isNullOrEmpty())

```

```
        Toast.makeText(this, "No existe dicho nombre en la agenda",  
Toast.LENGTH_LONG).show()  
        else  
            et2.setText(datos)  
    }  
}  
}
```