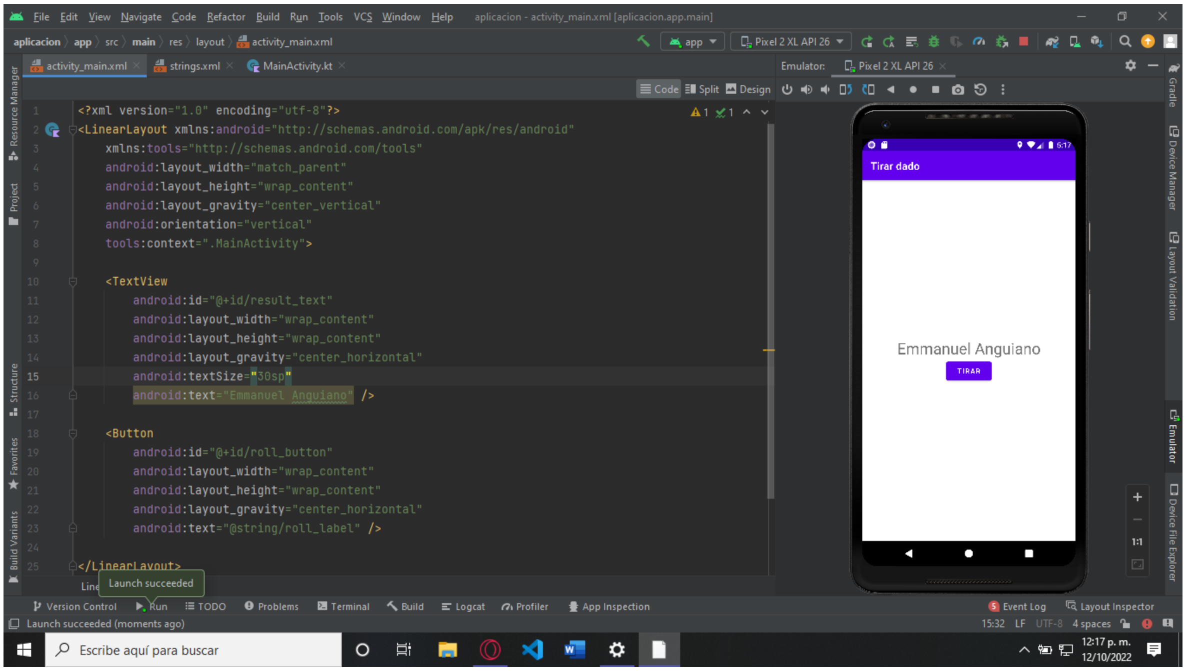
UNIVERSIDAD
DE COLIMA

Carlos Emmanuel Anguiano Pedraza

5C

Programación de aplicaciones

FLORES RUELAS FERNANDO ALFONSO



```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/result_text"
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        android:textSize="30sp"
        android:text="Emmanuel Anguiano" />

    <Button
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        android:layout_gravity="center_horizontal"
        android:text="@string/roll_label" />

</LinearLayout>
```
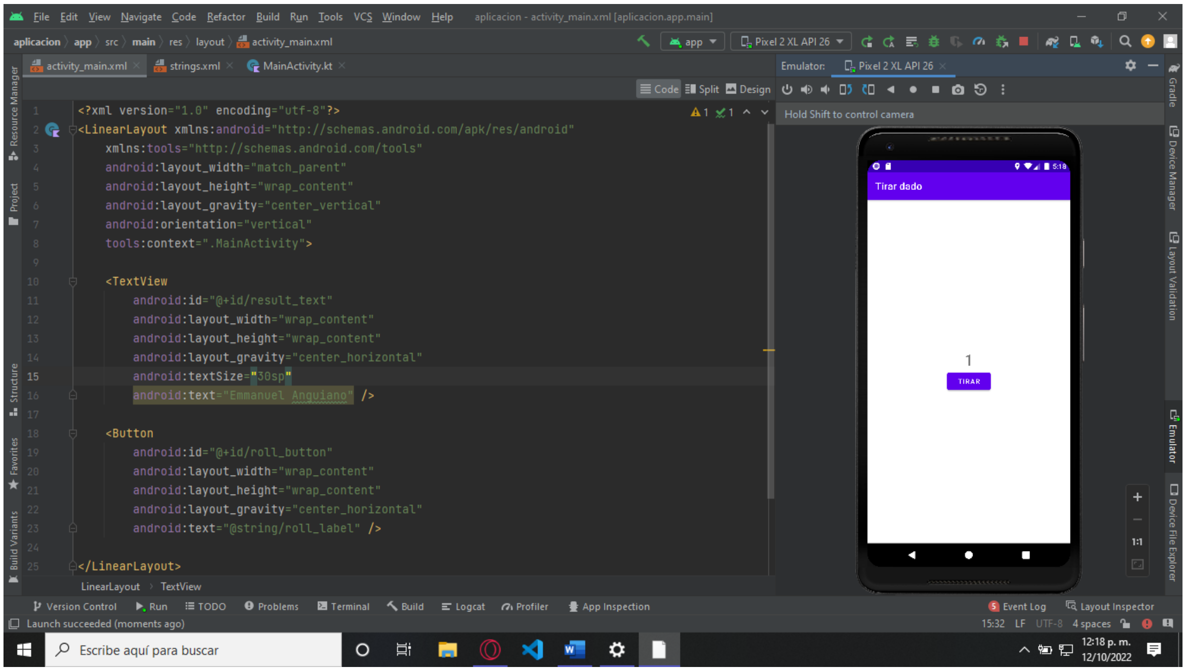

Launch succeeded (moments ago)



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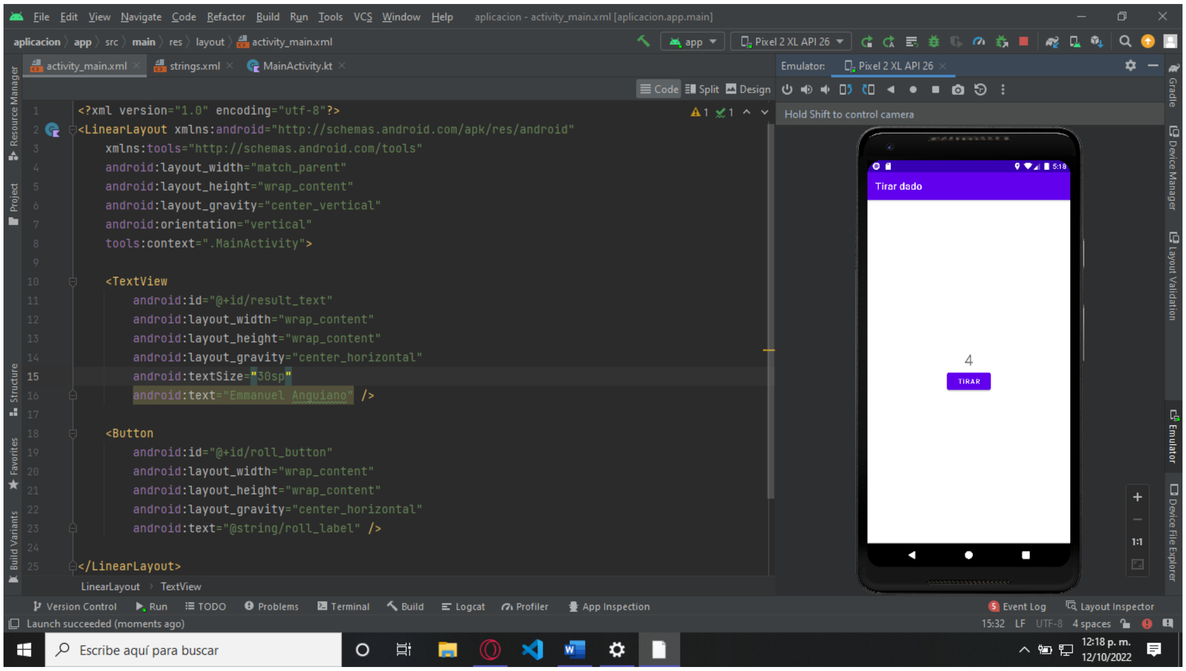

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aplicacion - activity_main.xml [aplicacion.app.main]
aplicacion app src main res layout activity_main.xml
activity_main.xml
strings.xml
MainActivity.kt
Code Split Design
Emulator: Pixel 2 XL API 26
Tirar dado
4
TIRAR
LinearLayout TextView
Version Control Run TODO Problems Terminal Build Logcat Profiler App Inspection Event Log Layout Inspector
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12/10/2022

Hold Shift to control camera

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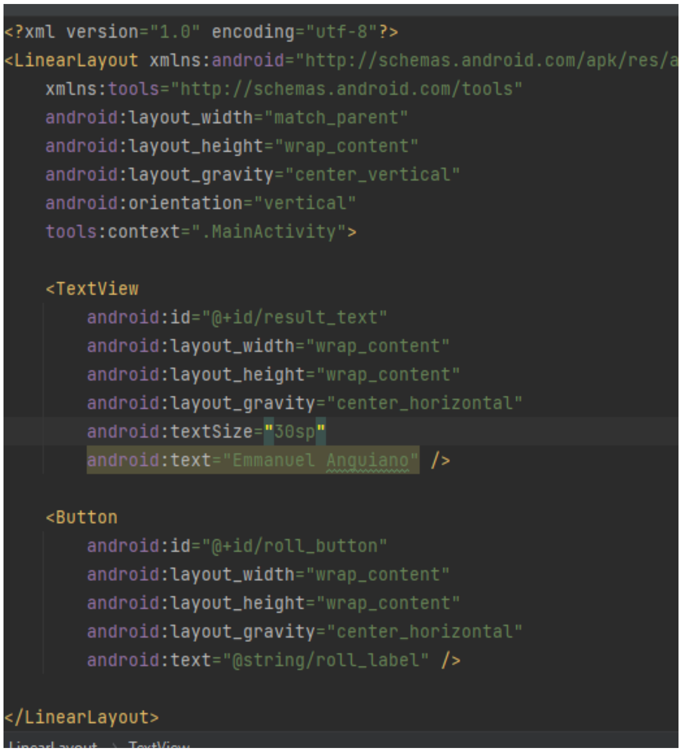
Launch succeeded (moments ago)

Activity_main.xml



```
<?xml version="1.0" encoding="utf-8"?>
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```
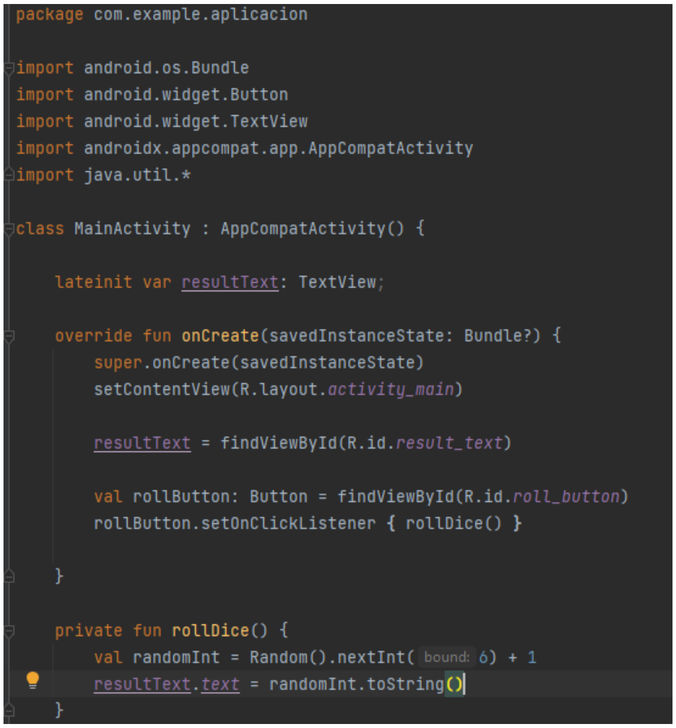
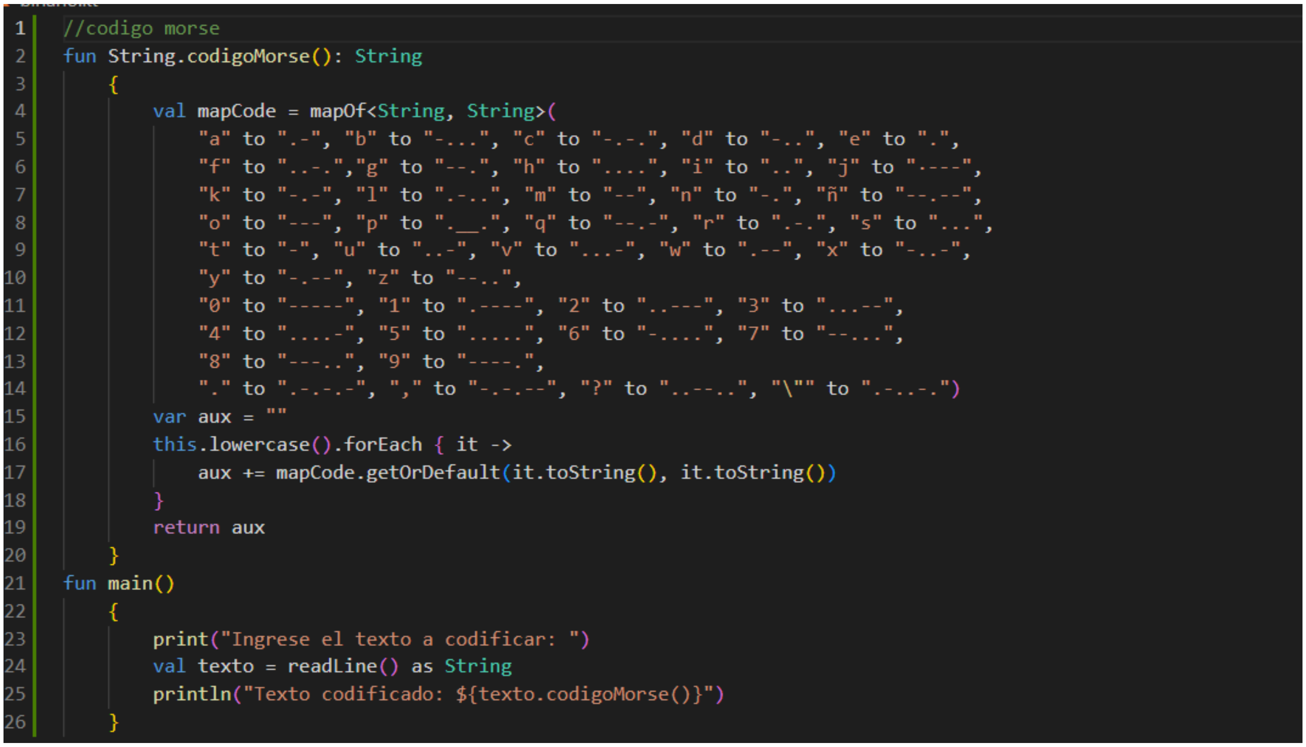
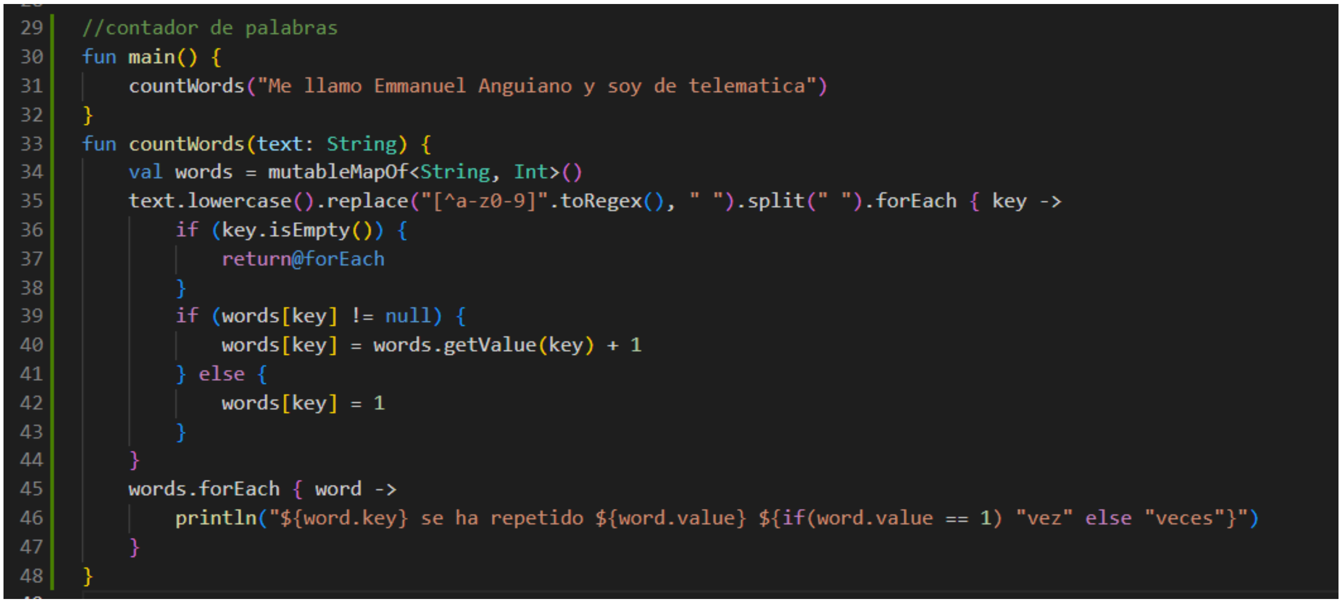

MainActivity.kt



```
package com.example.aplicacion

import android.os.Bundle
import android.widget.Button
import android.widget.TextView
import androidx.appcompat.app.AppCompatActivity
import java.util.*

class MainActivity : AppCompatActivity() {

    lateinit var resultText: TextView;

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

        resultText = findViewById(R.id.result_text)

        val rollButton: Button = findViewById(R.id.roll_button)
        rollButton.setOnClickListener { rollDice() }

    }

    private fun rollDice() {
        val randomInt = Random().nextInt( bound: 6) + 1
        resultText.text = randomInt.toString()
    }
```



```
//codigo morse
fun String.codigoMorse(): String
    {
        val mapCode = mapOf<String, String>(
            "a" to ".-", "b" to "-...", "c" to "-.-.", "d" to "-..", "e" to ".",
            "f" to "..-.","g" to "--.", "h" to "....", "i" to "..", "j" to ".---",
            "k" to "-.-", "l" to ".-..", "m" to "--", "n" to "-.", "ñ" to "--.--",
            "o" to "---", "p" to ".__.", "q" to "--.-", "r" to ".-.", "s" to "...",
            "t" to "-", "u" to "..-", "v" to "...-", "w" to ".--", "x" to "-..-",
            "y" to "-.--", "z" to "--..",
            "0" to "-----", "1" to ".----", "2" to "..---", "3" to "...--",
            "4" to "....-", "5" to ".....", "6" to "-....", "7" to "--...",
            "8" to "---..", "9" to "----.",
            "." to ".-.-.-", "," to "-.-.--", "?" to "..--..", "\"" to ".-..-.")
        var aux = ""
        this.lowercase().forEach { it ->
            aux += mapCode.getOrDefault(it.toString(), it.toString())
        }
        return aux
    }
fun main()
    {
        print("Ingrese el texto a codificar: ")
        val texto = readLine() as String
        println("Texto codificado: ${texto.codigoMorse()}")
    }
```



```kotlin
//contador de palabras
fun main() {
    countWords("Me llamo Emmanuel Anguiano y soy de telematica")
}
fun countWords(text: String) {
    val words = mutableMapOf<String, Int>()
    text.lowercase().replace("[^a-z0-9]".toRegex(), " ").split(" ").forEach { key ->
        if (key.isEmpty()) {
            return@forEach
        }
        if (words[key] != null) {
            words[key] = words.getValue(key) + 1
        } else {
            words[key] = 1
        }
    }
    words.forEach { word ->
        println("${word.key} se ha repetido ${word.value} ${if(word.value == 1) "vez" else "veces"}")
    }
}
```