Unidad Profesional Interdisciplinaria en Ingeniería y Tecnologías Avanzadas

Dispositivos Móviles

Práctica 4

Grupo: 2TM19

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1   XML

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



<LinearLayout
android:id="@+id/line1"
android:layout_width="match_parent"
android:layout_height="0dp"
android:layout_weight="1"
android:orientation="vertical"/>
</LinearLayout>
```

2   JAVA

```java
package com.example.practica4;

import androidx.appcompat.app.AppCompatActivity;
import androidx.core.content.res.ResourcesCompat;

import android.graphics.Color;
import android.graphics.Typeface;
import android.os.Bundle;
import android.view.Gravity;
import android.widget.ImageView; import android.widget.LinearLayout;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    LinearLayout line1 = (LinearLayout) findViewById(R.id.line1);
    Typeface typeface = ResourcesCompat.getFont(this, R.font.montserrat)
  ;
    //Parametros para la imagen 1
    LinearLayout.LayoutParams paramIm1 = new LinearLayout.LayoutParams
  (1080, 590);

    int textViewCount = 10;
    TextView[] textViewArray = new TextView[textViewCount];
```

```java
26      for (int i = 0; i < textViewCount; i++) {
27        textViewArray[i] = new TextView(this);
28      }
29
30      addTxt(line1, "INSTITUTO POLIT CNICO NACIONAL", 30, "#FFFFFFFF", "
        #13322B");
31      addTxt(line1, "Unidad Profesional Interdisciplinaria en Ingenier a
        y Tecnolog as Avanzadas", 14, "#FFFFFFFF", "#333333");
32      addTxt(line1, "Ingenier a Telem tica", 30, "#6C1C43", "#FFFFFFFF")
        ;
33
34
35      LinearLayout.LayoutParams paramtv1 = new LinearLayout.LayoutParams
        (100, 600);
36      paramtv1.height = 0;
37      paramtv1.weight = 1;
38      paramtv1.width = LinearLayout.LayoutParams.MATCH_PARENT;
39
40
41      for (int i = 0; i < textViewCount; i++) {
42        textViewArray[i].setLayoutParams(paramtv1);
43        textViewArray[i].setTypeface(typeface);
44        line1.addView(textViewArray[i]);
45      }
46
47
48      ImageView imag_tele = new ImageView(this);
49      ImageView imag_upi = new ImageView(this);
50      imag_tele.setImageResource(R.drawable.telematica);
51      imag_upi.setImageResource(R.drawable.upiita);
52      //Par metros de la imagen 1
53      paramIm1.width = LinearLayout.LayoutParams.MATCH_PARENT;
54      imag_tele.setLayoutParams(paramIm1);
55      line1.addView(imag_tele);
56      addTxt(line1, "Programaci n de Dispositivos M viles", 20, "#
        FFFFFFFF", "#6C1C43");
57      addTxt(line1, "Bermudez Sosa Jose Alfredo", 20, "#FFFFFFFF", "
        #333333");
58      addTxt(line1, "Grupo: 2TM19", 20, "#FFFFFFFF", "#13322B");
59      addTxt(line1, "Pr ctica 1", 20, "#000000", "#BDB6BC");
60      addTxt(line1, "Diana Abigail Gallegos Ruiz", 20, "#000000", "#F0F0F0
        ");
61      line1.addView(imag_upi);
62      imag_upi.setLayoutParams(paramIm1);
63    }
64
65
66    public void addTxt(LinearLayout ly1, String txt1, int tam, String
        color,String colorback) {
67      TextView tv = new TextView(this);
68      tv.setText(txt1);
```

```
69        tv.setTextSize(tam);
70        tv.setTextColor(Color.parseColor(color));
71        tv.setGravity(Gravity.CENTER);
72        tv.setBackgroundColor(Color.parseColor(colorback));
73        ly1.addView(tv);
74
75      }
76
77    }
```

3 Captura de pantalla