



Unidad Profesional Interdisciplinaria en Ingeniería y
Tecnologías Avanzadas

DISPOSITIVOS MÓVILES

Práctica 11

Grupo: 2TM19

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1 JAVA

```
1
2 public class MainActivity extends AppCompatActivity {
3
4     @Override
5     protected void onCreate(Bundle savedInstanceState) {
6         super.onCreate(savedInstanceState);
7         setContentView(R.layout.activity_main);
8         LinearLayout ly1 = (LinearLayout) findViewById(R.id.ly1);
9         TextView txt1 = (TextView) findViewById(R.id.txt1);
10
11         Rect rectangulo = new Rect();
12         ly1.getWindowVisibleDisplayFrame(rectangulo);
13         int ancho, alto;
14         ancho = rectangulo.width();
15         alto = rectangulo.height();
16         int color [] = { Color.parseColor("#638475"),Color.parseColor("#90
E39A"),Color.parseColor("#DDF093"),Color.parseColor("#F6D0B1"),Color.
parseColor("#CE4760")};
17         String texto []= {"IPN" ,"Telem tica", "Dispositivos M viles
Programables","Diana Gallegos", "Grupo 2TM19"};
18         txt1.append("\nUPIITA");
19
20         VistaGrafico vista [] = new VistaGrafico[6];
21         LinearLayout.LayoutParams parametros= new LinearLayout.LayoutParams(
ancho, 300);
22
23
24         for (int i=0;i<5 ;i++){
25             vista[i] = new VistaGrafico(this, color[i],texto[i],80,i);
26             vista[i].setLayoutParams(parametros);
27             ly1.addView(vista[i]);
28         }
29
30     }
31
32     public class VistaGrafico extends View {
33         int color;
34         String texto;
35         int x, y,tam;
36
37         public VistaGrafico(Context context, int color, String texto, int
tam, int x) {
38             super(context);
39             this.color = color;
40
41             this.texto = texto;
42             this.x = 150 + 50*x;
43             this.y = 100 + 55*x;
```

```
44     this.tam = tam;
45 }
46
47 @Override protected void onDraw(Canvas canvas){
48     super.onDraw(canvas);
49
50     canvas.drawColor(color);
51     Paint pintura = new Paint();
52     pintura.setTextSize(tam);
53     pintura.setColor(Color.WHITE);
54
55     if (texto.contains("\n")){
56         String[] txt = texto.split("\n");
57         for (String lineas:txt){
58             canvas.drawText(lineas, x, y, pintura);
59             y += pintura.getTextSize();
60         }
61     }else{
62         canvas.drawText(texto, x, y, pintura);
63     }
64
65 }
66 }
67 }
```

2 XML

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
3
4     android:layout_width="match_parent"
5     android:layout_height="match_parent"
6     >
7
8     <LinearLayout
9         android:id="@+id/ly1"
10        android:layout_width="match_parent"
11        android:layout_height="match_parent"
12        android:orientation="vertical">
13
14        <TextView
15            android:id="@+id/txt1"
16            android:layout_width="match_parent"
17            android:layout_height="wrap_content"
18            android:text="Par metros de Vistas"
19            android:textSize="20dp"
20            android:textColor="@color/black"
21            android:layout_margin="15dp"
22            android:gravity="center"/>
```

```
23  
24     </LinearLayout>  
25  
26     </ScrollView>  
27
```

3 Captura de pantalla

