Proyecto de programación: Calculadora de Propinas

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Indicaciones

1. Utilice GridLayout.
   1. Consulte de ser necesario las métricas de diseño : <http://developer.android.com/design/style/metrics-grids.html>
   2. Considere dos columnas columnCount = 2 para alojar los diferentes Views
2. Añada los siguientes Views con la siguiente nomenclatura

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| **Views** | **ID** |
| EditText | amountEditText |
| TextView | amountTextView |
| TextView | percentTextView |
| SeekBar | percentSeekBar |
| TextView | tipLabelTextView |
| TextView | tipTextView |
| TextView | totalLabelTextView |
| TextView | totalTextView |

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| JAVA |
| **package** ittepic.edu.mx.calculadorapropinas;  **import** android.support.v7.app.AppCompatActivity; **import** android.os.Bundle; **import** android.view.View; **import** android.widget.Button; **import** android.widget.EditText; **import** android.widget.SeekBar; **import** android.widget.TextView; **import** android.widget.Toast;  **public class** MainActivity **extends** AppCompatActivity {   EditText **monto**;*//, total, tip;* TextView **total**,**tip**,**textViewSeekBar**;  Button **button**;  SeekBar **seekBar**;   **int m**=0;  **double calculo**=0;   @Override  **protected void** onCreate(Bundle savedInstanceState) {  **super**.onCreate(savedInstanceState);  setContentView(R.layout.***activity\_main***);    **monto** = (EditText)findViewById(R.id.***amountEditText***);  **total** = (TextView)findViewById(R.id.***totalLabelTextView***);  **tip** = (TextView)findViewById(R.id.***tipLabelTextView***);  **seekBar** = (SeekBar) findViewById(R.id.***percentSeekBar***);  **textViewSeekBar** = (TextView) findViewById(R.id.***percentTextView***);  **textViewSeekBar**.setText(**"15"**);   **seekBar**.setOnSeekBarChangeListener(**new** SeekBar.OnSeekBarChangeListener() {   @Override  **public void** onProgressChanged(SeekBar seekBar, **int** progress, **boolean** fromUser) {  *//la Seekbar siempre empieza en cero, si queremos que el valor mínimo sea otro podemos modificarlo* **textViewSeekBar**.setText(progress + 15 + **"%"**);  }   @Override  **public void** onStartTrackingTouch(SeekBar arg0) {   }    @Override  **public void** onStopTrackingTouch(SeekBar arg0) {  }  });    **button** = ((Button)findViewById(R.id.***button***));   }   **public void** calcula(View view){  String valor = **monto**.getText().toString();  **int** seekValue = **seekBar**.getProgress();  **int** valorSeek = seekValue+15;  Toast.*makeText*(getApplicationContext(),**"Valor: "**+valorSeek,Toast.***LENGTH\_SHORT***).show();   **calculo** = (Integer.*parseInt*(valor)\*(valorSeek)/100);  **tip**.setText(**"$"**+**calculo** + **""**);  **double** pagototal=**calculo**+Integer.*parseInt*(valor);  **total**.setText(**"$"**+pagototal);}   } |
| XML |
| *<?***xml version="1.0" encoding="utf-8"***?>* <**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:tools="http://schemas.android.com/tools"  android:id="@+id/activity\_main"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:paddingBottom="@dimen/activity\_vertical\_margin"  android:paddingLeft="@dimen/activity\_horizontal\_margin"  android:paddingRight="@dimen/activity\_horizontal\_margin"  android:paddingTop="@dimen/activity\_vertical\_margin"  tools:context="ittepic.edu.mx.calculadorapropinas.MainActivity"**>   <**GridLayout  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  android:rowCount="38"  android:columnCount="2"  android:orientation="horizontal"  android:layout\_alignParentTop="true"  android:layout\_alignParentLeft="true"  android:layout\_alignParentStart="true"**>   <**TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="15%"  android:id="@+id/percentTextView"  android:layout\_row="1"  android:layout\_column="0"  android:textSize="25dp"  android:layout\_margin="5dp"** />   <**SeekBar  android:layout\_width="268dp"  android:layout\_height="wrap\_content"  android:id="@+id/percentSeekBar"  android:layout\_row="1"  android:layout\_column="1"  android:layout\_margin="5dp"  android:max="15"** />   <**TextView  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Total"  android:id="@+id/totalLabelTextView"  android:layout\_row="5"  android:layout\_column="0"  android:textSize="25dp"  android:layout\_margin="5dp"** />   <**Button  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Calcular"  android:id="@+id/button"  android:layout\_row="20"  android:layout\_column="1"  android:onClick="calcula"** />   <**TextView  android:layout\_width="269dp"  android:layout\_height="44dp"  android:id="@+id/tipTextView"  android:layout\_row="3"  android:layout\_column="1"  android:textSize="25dp"  android:background="#ffed03"  android:elevation="4dp"  android:hint="$ 0.00"  android:layout\_margin="5dp"** />   <**TextView  android:layout\_width="271dp"  android:layout\_height="44dp"  android:id="@+id/totalTextView"  android:layout\_row="5"  android:layout\_column="1"  android:textSize="25dp"  android:background="#ffed03"  android:elevation="4dp"  android:hint="$ 0.00"  android:layout\_margin="5dp"** />   <**TextView  android:layout\_width="wrap\_content"  android:layout\_height="36dp"  android:text="Tip"  android:id="@+id/tipLabelTextView"  android:layout\_row="3"  android:layout\_column="0"  android:textSize="25dp"  android:layout\_margin="5dp"** />   <**EditText  android:layout\_width="match\_parent"  android:layout\_height="42dp"  android:inputType="number"  android:ems="10"  android:id="@+id/amountEditText"  android:layout\_row="0"  android:layout\_column="0"  android:background="#BBDEFB"  android:hint="¿Monto?"  android:layout\_columnSpan="2"  android:digits="0123456789"  android:padding="5dp"  android:layout\_margin="5dp"** />    </**GridLayout**> </**RelativeLayout**> |