<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

android:paddingBottom="@dimen/activity\_vertical\_margin"

tools:context=".MainActivity">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="@string/hello\_world" />

</RelativeLayout>

**package** com.dynamicbuttoncreation;

**import** android.app.Activity;

**import** android.os.Bundle;

**import** android.widget.Button;

**import** android.widget.RelativeLayout;

**import** android.content.ContentValues;

**import** android.content.Context;

**import** android.database.Cursor;

**import** android.database.sqlite.SQLiteDatabase;

**import** android.database.sqlite.SQLiteOpenHelper;

**import** android.graphics.Color;

**import** android.os.Bundle;

**import** android.app.Activity;

**import** android.view.Menu;

**import** android.widget.Button;

**import** android.widget.RelativeLayout;

**public** **class** MainActivity **extends** Activity

{

@Override

**public** **void** onCreate(Bundle savedInstanceState)

{

**super**.onCreate(savedInstanceState);

RelativeLayout relativeLayout = **new** RelativeLayout(**this**);

RelativeLayout.LayoutParams relativeLayoutParams = **new** RelativeLayout.LayoutParams(RelativeLayout.LayoutParams.FILL\_PARENT, RelativeLayout.LayoutParams.FILL\_PARENT);

Button button1 = **new** Button(**this**);

button1.setText("Button1");

Button button2 = **new** Button(**this**);

button2.setText("Button2");

Button button3 = **new** Button(**this**);

button3.setText("Button3");

Button button4 = **new** Button(**this**);

button4.setText("Button4");

AddButtonLayout(button1, RelativeLayout.ALIGN\_PARENT\_LEFT);

AddButtonLayout(button3, RelativeLayout.CENTER\_IN\_PARENT);

AddButtonLayout(button4, RelativeLayout.ALIGN\_PARENT\_BOTTOM);

LayoutAddButton(button2, RelativeLayout.ALIGN\_PARENT\_LEFT, 30, 80, 0, 0);

relativeLayout.addView(button1);

relativeLayout.addView(button3);

relativeLayout.addView(button4);

relativeLayout.addView(button2);

setContentView(relativeLayout, relativeLayoutParams);

}

**private** **void** LayoutAddButton(Button button, **int** centerInParent, **int** marginLeft, **int** marginTop, **int** marginRight, **int** marginBottom)

{

RelativeLayout.LayoutParams buttonLayoutParameters = **new** RelativeLayout.LayoutParams(RelativeLayout.LayoutParams.WRAP\_CONTENT, RelativeLayout.LayoutParams.WRAP\_CONTENT);

buttonLayoutParameters.setMargins(marginLeft, marginTop, marginRight, marginBottom);

buttonLayoutParameters.addRule(centerInParent);

button.setLayoutParams(buttonLayoutParameters);

}

**private** **void** AddButtonLayout(Button button, **int** centerInParent)

{

LayoutAddButton(button, centerInParent, 0, 0, 0, 0);

}

}

