

Testing Your Emulator

XML (Cut and paste over the basic file)

```
<?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" >
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="0"
        android:textSize="200sp"
        android:padding="20dp"
        android:id="@+id/numberView"
        android:layout_gravity="center"/>
    <LinearLayout
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:layout_gravity="center">
        <Button
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="+"
            android:textSize="50dp"
            android:onClick="addtoit"
            android:id="@+id/addbutton" />
        <Button
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="-"
            android:textSize="50dp"
            android:onClick="subtract"
            android:id="@+id/subtractbutton" />
    </LinearLayout>
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Press the buttons to count."
        android:textSize="20sp"
        android:padding="20sp"
        android:layout_gravity="center" />
</LinearLayout>
```

Java (leave the highlighted section as they were autogenerated)

```
package com.example.p0064140.countmein;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    int count =0;

    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void subtract(View view){
        TextView txt = (TextView) findViewById(R.id.numberView);
        count--;
        txt.setText(""+count);
    }

    public void addToit(View view){
        TextView txt = (TextView) findViewById(R.id.numberView);
        count++;
        txt.setText(""+count);
    }
}
```

Open the emulator and see if it counts.