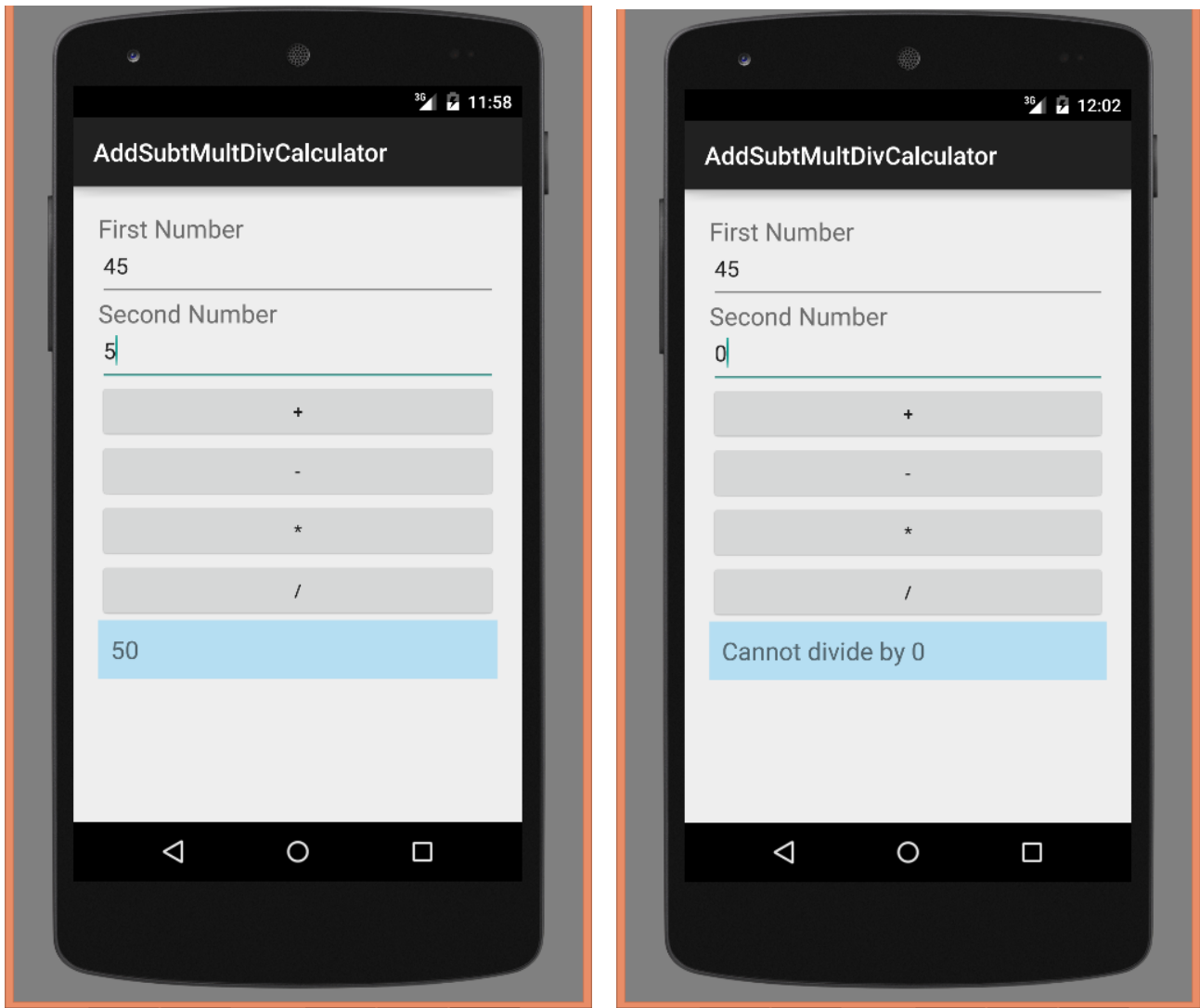


Add – Subtract – Multiply – Divide Calculator



Change layout from RelativeLayout to LinearLayout(simple edit RelativeLayout) in this example

Activity_Main.xml

```
<LinearLayout 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:orientation="vertical"
```

```
    android:layout_marginTop="20dp"
```

```
    android:layout_marginLeft="20dp"
```

```
    android:layout_marginRight="20dp" >
```

```
<TextView
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:text="@string/tvNum1"
```

```
    android:id="@+id/tvNum1"
```

```
    android:textSize="20sp"/>
```

```
<EditText
```

```
    android:layout_width="match_parent"
```

```
android:layout_height="wrap_content"
android:id="@+id/etNum1" />
```

```
<TextView
```

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="@string/tvNum2"
android:id="@+id/tvNum2"
android:textSize="20sp" />
```

```
<EditText
```

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:id="@+id/etNum2"
android:hint="@string/etNum2"/>
```

```
<Button
```

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="@string/buttonAdd"
android:id="@+id/buttonAdd" />
```

```
<Button
```

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="@string/buttonSub"
android:id="@+id/buttonSub" />
```

```
<Button
```

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="@string/buttonMul"
android:id="@+id/buttonMul" />
```

```
<Button
```

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="@string/buttonDiv"
android:id="@+id/buttonDiv" />
```

```
<TextView
```

```
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="Answer"
android:id="@+id/tvAnswer"
android:textSize="20sp"
android:padding="10dp"
android:background="#4314b2ff"/>
```

```
</LinearLayout>
```

MainActivity.java

```
package com.raymundoconnor.addsubtmultdivcalculator;
```

```

import android.support.v7.app.ActionBarActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends ActionBarActivity implements View.OnClickListener {

    private Button buttonAdd,buttonSub,buttonMul,buttonDiv;
    private TextView tvAnswer;
    private EditText etNum1,etNum2;

    @Override

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

    private void init() {
        buttonAdd = (Button)findViewById(R.id.buttonAdd);
        buttonSub = (Button)findViewById(R.id.buttonSub);
        buttonMul = (Button)findViewById(R.id.buttonMul);
        buttonDiv = (Button)findViewById(R.id.buttonDiv);
        etNum1 = (EditText)findViewById(R.id.etNum1);
        etNum2 = (EditText)findViewById(R.id.etNum2);
        tvAnswer = (TextView)findViewById(R.id.tvAnswer);
        buttonAdd.setOnClickListener(this);
        buttonSub.setOnClickListener(this);
        buttonMul.setOnClickListener(this);
        buttonDiv.setOnClickListener(this);
    }

    @Override
    public void onClick(View view) {
        String num1 = etNum1.getText().toString();
        String num2 = etNum2.getText().toString();

        switch (view.getId()){
            case R.id.buttonAdd:
                int addition = Integer.parseInt(num1) + Integer.parseInt(num2);
                tvAnswer.setText(String.valueOf(addition));

                break;

            case R.id.buttonSub:
                int subtraction = Integer.parseInt(num1) - Integer.parseInt(num2);

```

```

        tvAnswer.setText(String.valueOf(subtraction));
        break;

    case R.id.buttonMul:
        int multiplication = Integer.parseInt(num1) * Integer.parseInt(num2);
        tvAnswer.setText(String.valueOf(multiplication));
        break;

    case R.id.buttonDiv:
        try {
            int division = Integer.parseInt(num1) / Integer.parseInt(num2);
            tvAnswer.setText(String.valueOf(division));
        }
        catch (Exception e){
            tvAnswer.setText("Cannot divide by 0");
        }
    }
}
}
}

```

Strings.xml

```

<resources>

    <string name="app_name">AddSubtMultDivCalculator</string>
    <string name="hello_world">Hello world!</string>
    <string name="action_settings">Settings</string>
    <string name="tvNum1">First Number</string>
    <string name="tvNum2">Second Number</string>
    <string name="etNum2">Second Number</string>
    <string name="buttonAdd">+</string>
    <string name="buttonSub">-</string>
    <string name="buttonMul">*</string>
    <string name="buttonDiv">/</string>

</resources>

```