XMI:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout width="match parent"
android:layout height="match parent" android:padding="16dp"
android:orientation="vertical" tools:context="MainActivity">
    <EditText
       android:id="@+id/et1"
android:layout width="match parent"
android:layout_height="wrap_content"
android:inputType="number"
                           android:minHeight="48dp"
        tools:ignore="SpeakableTextPresentCheck" />
    <EditText
       android:id="@+id/et2"
android:layout width="match parent"
android:layout height="wrap content"
android:layout below="@+id/et1"
android:layout alignParentStart="true"
android:inputType="number"
android:minHeight="48dp"
       tools:ignore="SpeakableTextPresentCheck" />
    <TextView
       android:id="@+id/tv1"
android:layout width="wrap content"
android:layout height="wrap content"
android:layout below="@+id/et2"
android:layout centerHorizontal="true"
android:layout_marginTop="16dp"
                                       android:text="0"
        android:textColor="@android:color/black"
android:textSize="50sp" />
    <Button
       android:id="@+id/b1"
       android:layout width="wrap content"
android:layout height="wrap content"
android:layout centerHorizontal="true"
android:layout centerVertical="true"
android:text="add" />
    <Button
       android:id="@+id/b2"
       android:layout width="wrap content"
android:layout height="wrap content"
android:layout centerHorizontal="true"
android:layout centerVertical="true"
android:text="sub" />
    <Button
        android:id="@+id/b3"
android:layout width="wrap content"
android:layout height="wrap content"
android:layout_centerHorizontal="true"
android:layout centerVertical="true"
android:text="mul" />
    <Button
        android:id="@+id/b4"
android:layout width="wrap content"
```

```
android:layout_height="wrap_content"
android:layout_centerHorizontal="true"
android:layout_centerVertical="true"
android:text="div" />
</LinearLayout>
```

JAVA:

```
package com.example.add;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.widget.Button; import
android.widget.EditText; import
android.widget.TextView;
public class MainActivity extends AppCompatActivity {
   EditText edt1,edt2;
    TextView txtv1;
    Button btn1,btn2,btn3,btn4;
    @Override
   protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity main);
                                               edt1 =
findViewById(R.id.et1);
                               edt2 =
findViewById(R.id.et2);
                               txtv1 =
                              btn1 =
findViewById(R.id.tv1);
                              btn2=
findViewById(R.id.b1);
                              btn3=
findViewById(R.id.b2);
                              btn4=
findViewById(R.id.b3);
findViewById(R.id.b4);
                              btn1.setOnClickListener(v
           if (edt1.getText().toString().length() == 0) {
edt1.setText("0");
            }
            if (edt2.getText().toString().length() == 0) {
edt2.setText("0");
            int num1 = Integer.parseInt(edt1.getText().toString());
int num2 = Integer.parseInt(edt2.getText().toString());
                                                                    int
sum = num1 + num2;
           txtv1.setText(String.valueOf(sum));
       btn2.setOnClickListener(v -> {
           if (edt1.getText().toString().length() == 0) {
edt1.setText("0");
            }
            if (edt2.getText().toString().length() == 0) {
edt2.setText("0");
            int num1 = Integer.parseInt(edt1.getText().toString());
int num2 = Integer.parseInt(edt2.getText().toString());
                                                                    int
sub = num1 - num2;
```

```
txtv1.setText(String.valueOf(sub));
        });
       btn3.setOnClickListener(v -> {
           if (edt1.getText().toString().length() == 0) {
edt1.setText("0");
           if (edt2.getText().toString().length() == 0) {
edt2.setText("0");
           }
           int num1 = Integer.parseInt(edt1.getText().toString());
int num2 = Integer.parseInt(edt2.getText().toString());
                                                                    int
mul = num1 * num2;
           txtv1.setText(String.valueOf(mul));
       });
       btn4.setOnClickListener(v -> {
           if (edt1.getText().toString().length() == 0) {
edt1.setText("0");
           if (edt2.getText().toString().length() == 0) {
edt2.setText("0");
           int num1 = Integer.parseInt(edt1.getText().toString());
int num2 = Integer.parseInt(edt2.getText().toString());
                                                                    int
div = num1 / num2;
           txtv1.setText(String.valueOf(div));
       });
    }
}
```