```java
package com.example.calc;

import android.os.Bundle;
import android.app.Activity;
import android.text.TextUtils;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends Activity implements OnClickListener {

    final int MENU_RESET_ID = 1;
    final int MENU_QUIT_ID = 2;
    EditText Number1;
    EditText Number2;
    Button AddButton;
    Button SubButton;
    TextView TextViewResult;
    String sign = "";

     /** Called when the activity is first created. */
     @Override
     public void onCreate(Bundle savedInstanceState) {
       super.onCreate(savedInstanceState);
       setContentView(R.layout.fragment_main);
       //Εντοπισμός και αρχικοποίηση των elements
       Number1 = (EditText) findViewById(R.id.Number1);
       Number2 = (EditText) findViewById(R.id.Number2);
       AddButton = (Button) findViewById(R.id.AddButton);
       SubButton = (Button) findViewById(R.id.SubButton);
       TextViewResult = (TextView) findViewById(R.id.TextViewResult);
       //Καθορισμός Click Listener στα Buttons
       AddButton.setOnClickListener(this);
       SubButton.setOnClickListener(this);
     }
     @Override
     public void onClick(View v) {
       float number1 = 0;
       float number2 = 0;
       float result = 0;
       //Validation Testing for empty fields
       if (TextUtils.isEmpty(Number1.getText().toString())||
TextUtils.isEmpty(Number2.getText().toString())) {
```

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        return; //Nothing happens
    }
    //Αποθήκευση των τιμών των πεδίων σε μεταβλητές
    number1 = Float.parseFloat(Number1.getText().toString());
    number2 = Float.parseFloat(Number2.getText().toString());


    //δομή επιλογής Switch για να τρέξει η σωστή πράξη
    //View v.getId() βρίσκει το control που έχει κάνει την action onclick
    switch (v.getId()) {
    case R.id.AddButton:
        sign = "+";
      result = number1 + number2;
      break;
    case R.id.SubButton:
        sign = "-";
      result = number1 - number2;
      break;
    default:
      break;
    }
    //Εμφάνιση αποτελεσμάτων
    TextViewResult.setText(number1 + " " + sign + " " + number2 + " = " + result);
    //χρήση Toast Messaging
    Toast toast = Toast.makeText(getApplicationContext(), "The result i found is :"+ result, 5);
    toast.show();
  }

//Δημιουργία menu
 @Override
 public boolean onCreateOptionsMenu(Menu menu) {
  // TODO Auto-generated method stub
  menu.add(0, MENU_RESET_ID, 0, "Reset");
  menu.add(0, MENU_QUIT_ID, 0, "Quit");
  return super.onCreateOptionsMenu(menu);
 }

 @Override
 public boolean onOptionsItemSelected(MenuItem item) {
  // TODO Auto-generated method stub
  switch (item.getItemId()) {
  case MENU_RESET_ID:
   //Διενέργεια εκκαθάρισης στα πεδία
      Number1.setText("");
      Number2.setText("");
      TextViewResult.setText("");
   break;
  case MENU_QUIT_ID:
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            //έξοδος
            finish();
            break;
        }
        return super.onOptionsItemSelected(item);
    }


}
```

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
            xmlns:android="http://schemas.android.com/apk/res/android"
            android:orientation="vertical"
            android:layout_width="fill_parent"
            android:layout_height="fill_parent">
    <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:orientation="horizontal"
            android:id="@+id/LinearLayout1"
            android:layout_marginLeft="10pt"
            android:layout_marginRight="10pt"
            android:layout_marginTop="3pt">
                <EditText
                android:layout_weight="1"
                android:layout_height="wrap_content"
                android:layout_marginRight="5pt"
                android:id="@+id/Number1"
                android:layout_width="match_parent"
                android:inputType="numberDecimal">
                </EditText>
                <EditText
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:layout_marginLeft="5pt"
                android:id="@+id/Number2"
                android:layout_width="match_parent"
                android:inputType="numberDecimal">
                </EditText>
    </LinearLayout>
    <LinearLayout
            android:layout_width="match_parent"
```

```xml
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:id="@+id/LinearLayout2"
        android:layout_marginTop="3pt"
        android:layout_marginLeft="5pt"
        android:layout_marginRight="5pt">
            <Button
            android:layout_height="wrap_content"
            android:layout_width="match_parent"
            android:layout_weight="1"
            android:text="+"
            android:textSize="8pt"
            android:id="@+id/AddButton">
            </Button>
            <Button
            android:layout_height="wrap_content"
            android:layout_width="match_parent"
            android:layout_weight="1"
            android:text="-"
            android:textSize="8pt"
            android:id="@+id/SubButton">
            </Button>

    </LinearLayout>
        <TextView
        android:layout_height="wrap_content"
        android:layout_width="match_parent"
        android:orientation="horizontal"
        android:layout_marginLeft="5pt"
        android:layout_marginRight="5pt"
        android:textSize="12pt"
        android:layout_marginTop="3pt"
        android:id="@+id/TextViewResult"
        android:gravity="center_horizontal">
        </TextView>
</LinearLayout>
```