package com.example.calculatorrel;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

private EditText editText;

private TextView resultTextView;

private double firstNumber = 0;

private String operator = "";

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

editText = findViewById(R.id.editText);

resultTextView = findViewById(R.id.resultTextView);

}

public void onNumberClick(View view) {

String number = ((Button) view).getText().toString();

String currentText = editText.getText().toString();

editText.setText(currentText + number);

}

public void onOperatorClick(View view) {

operator = ((Button) view).getText().toString();

firstNumber = Double.*parseDouble*(editText.getText().toString());

editText.getText().clear();

}

public void onClearClick(View view) {

editText.getText().clear();

resultTextView.setText("Result: ");

firstNumber = 0;

operator = "";

}

public void onCalculateClick(View view) {

if (!operator.isEmpty()) {

double secondNumber = Double.*parseDouble*(editText.getText().toString());

double result = 0;

switch (operator) {

case "+":

result = firstNumber + secondNumber;

break;

case "-":

result = firstNumber - secondNumber;

break;

case "\*":

result = firstNumber \* secondNumber;

break;

case "/":

if (secondNumber != 0) {

result = firstNumber / secondNumber;

} else {

resultTextView.setText("Result: Error (Division by zero)");

return;

}

break;

}

resultTextView.setText("Result: " + result);

editText.getText().clear();

firstNumber = result;

operator = "";

}

}

public void onDecimalClick(View view) {

String currentText = editText.getText().toString();

if (!currentText.contains(".")) {

editText.setText(currentText + ".");

}

}

}