```java
package gr.uom.calculator;

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 {

    EditText num1EditText, num2EditText;
    Button addButton, minusButton, multiplyButton, divideButton;
    TextView resultTextView;

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

        num1EditText = findViewById(R.id.num1);
        num2EditText = findViewById(R.id.num2);
        addButton = findViewById(R.id.add);
        minusButton = findViewById(R.id.minus);
        multiplyButton = findViewById(R.id.multiply);
        divideButton = findViewById(R.id.divide);
        resultTextView = findViewById(R.id.showResult);

        addButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                calculateAndDisplayResult('+');
            }
        });

        minusButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                calculateAndDisplayResult('-');
            }
        });

        multiplyButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                calculateAndDisplayResult('*');
            }
        });

        divideButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                calculateAndDisplayResult('/');
            }
        });
```

```java
    }

    private void calculateAndDisplayResult(char operation) {
        double num1 = Double.parseDouble(num1EditText.getText().toString());
        double num2 = Double.parseDouble(num2EditText.getText().toString());
        double result = 0;

        switch (operation) {
            case '+':
                result = num1 + num2;
                break;
            case '-':
                result = num1 - num2;
                break;
            case '*':
                result = num1 * num2;
                break;
            case '/':
                if (num2 != 0) {
                    result = num1 / num2;
                } else {
                    resultTextView.setText("Cannot divide by zero");
                    return;
                }
                break;
        }

        resultTextView.setText(String.valueOf(result));
    }
}
```