import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

private EditText;

private Button buttonOne, buttonTwo, buttonThree, buttonFour, buttonFive, buttonSix, buttonSeven,

buttonEight, buttonNine, buttonZero, buttonAdd, buttonSubtract, buttonMultiply,

buttonDivide, buttonEquals, buttonClear;

private String value1 = "";

private String value2 = "";

private String operator = "";

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

editText = findViewById(R.id.editText);

buttonOne = findViewById(R.id.buttonOne);

buttonTwo = findViewById(R.id.buttonTwo);

buttonThree = findViewById(R.id.buttonThree);

buttonFour = findViewById(R.id.buttonFour);

buttonFive = findViewById(R.id.buttonFive);

buttonSix = findViewById(R.id.buttonSix);

buttonSeven = findViewById(R.id.buttonSeven);

buttonEight = findViewById(R.id.buttonEight);

buttonNine = findViewById(R.id.buttonNine);

buttonZero = findViewById(R.id.buttonZero);

buttonAdd = findViewById(R.id.buttonAdd);

buttonSubtract = findViewById(R.id.buttonSubtract);

buttonMultiply = findViewById(R.id.buttonMultiply);

buttonDivide = findViewById(R.id.buttonDivide);

buttonEquals = findViewById(R.id.buttonEquals);

buttonClear = findViewById(R.id.buttonClear);

buttonOne.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

editText.setText(editText.getText().toString() + "1");

}

});

buttonTwo.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

editText.setText(editText.getText().toString() + "2");

}

});

buttonThree.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

editText.setText(editText.getText().toString() + "3");

}

});

buttonFour.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

editText.setText(editText.getText().toString() + "4");

}

});

buttonFive.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

editText.setText(editText.getText().toString() + "5");

}

});

buttonSix.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

editText.setText(editText.getText().toString() + "6");

}

});

buttonSeven.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

editText.setText(editText.getText().toString() + "7");

}

});

buttonEight.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

editText.setText(editText.getText().toString() + "8");

}

});

buttonNine.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

editText.setText(editText.getText().toString() + "9");

}

});

buttonZero.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

editText.setText(editText.getText().toString() + "0");

}

});

buttonAdd.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

value1 = editText.getText().toString();

operator = "+";

editText.setText("");

}

});

buttonSubtract.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

value1 = editText.getText().toString();

operator = "-";

editText.setText("");

}

});

buttonMultiply.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

value1 = editText.getText().toString();

operator = "\*";

editText.setText("");

}

});

buttonDivide.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

value1 = editText.getText().toString();

operator = "/";

editText.setText("");

}

});

buttonEquals.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

value2 = editText.getText().toString();

double num1 = Double.parseDouble(value1);

double num2 = Double.parseDouble(value2);

double result = 0;

if (operator.equals("+")) {

result = num1 + num2;

} else if (operator.equals("-")) {

result = num1 - num2;

} else if (operator.equals("\*")) {

result