

USN: 1NT20IS400
NAME: ADARSH ED
C3 BATCH

BACKGROUND CODE FOR BASIC CALCULATOR

CODE

```
package com.example.my_application;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
public class MainActivity extends AppCompatActivity {
    boolean isNewOp = true;
    EditText ed1;
    String op, oldNumber;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        ed1 = findViewById(R.id.editText);
    }
    public void numberEvent(View view){
        if(isNewOp)
            ed1.setText("");
        isNewOp = false;
        String number = ed1.getText().toString();
        switch(view.getId()){
            case R.id.but_1:
                number += "1";
                break;
            case R.id.but_2:
                number += "2";
                break;
            case R.id.but_3:
                number += "3";
                break;
            case R.id.but_4:
                number += "4";
                break;
            case R.id.but_5:
                number += "5";
                break;
            case R.id.but_6:
                number += "6";
                break;
            case R.id.but_7:
                number += "7";
                break;
            case R.id.but_8:
                number += "8";
                break;
            case R.id.but_9:
                number += "9";
                break;
```

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case R.id.but_0:
number += "0";
break;
case R.id.but_dot:
number += ".";
break;
case R.id.but_plus_minus:
number += "-" + number;
break;
}
ed1.setText(number);
}
public void operatorEvent(View view){
isNewOp = true;
oldNumber = ed1.getText().toString();
switch(view.getId())
{
case R.id.but_divide: op = "/"; break;
case R.id.but_star: op = "*"; break;
case R.id.but_plus: op = "+"; break;
case R.id.but_minus: op = "-"; break;
}
}
public void equalEvent(View view){
String newNumber = ed1.getText().toString();
double result = 0.0;
switch(op){
case "+":
result = Double.parseDouble(oldNumber) + Double.parseDouble(newNumber);
break;
case "-":
result = Double.parseDouble(oldNumber) - Double.parseDouble(newNumber);
break;
case "*":
result = Double.parseDouble(oldNumber) * Double.parseDouble(newNumber);
break;
case "/":
result = Double.parseDouble(oldNumber) / Double.parseDouble(newNumber);
break;
}
ed1.setText(result + "");
}
public void acEvent(View view){
ed1.setText("0");
isNewOp = true;
}
public void percentEvent(View view){
double no = Double.parseDouble(ed1.getText().toString())/100;
ed1.setText(no + "");
isNewOp = true;
}
}

```

