*<?*xml version="1.0" encoding="utf-8"*?>*

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity"

android:background="@color/teal\_200">

<EditText

android:id="@+id/etc1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="100dp"

android:layout\_marginLeft="100dp"

android:layout\_marginTop="100dp"

android:layout\_marginEnd="100dp"

android:layout\_marginBottom="100dp"

android:ems="10"

android:enabled="false"

android:hint="Enter Number"

android:inputType="textPersonName"

android:text="" />

<Button

android:id="@+id/btplus"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="50dp"

android:layout\_marginRight="20dp"

android:layout\_below="@id/etc1"

android:onClick="onclick"

android:text="+" />

<Button

android:id="@+id/btminus"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="50dp"

android:layout\_marginRight="20dp"

android:layout\_below="@id/etc1"

android:onClick="onclick"

android:layout\_toRightOf="@id/btplus"

android:text="-" />

<Button

android:id="@+id/btmul"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="50dp"

android:layout\_marginRight="20dp"

android:layout\_below="@id/etc1"

android:onClick="onclick"

android:layout\_toRightOf="@id/btminus"

android:text="\*" />

<Button

android:id="@+id/btdiv"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="50dp"

android:layout\_below="@id/etc1"

android:onClick="onclick"

android:layout\_toRightOf="@id/btmul"

android:text="/" />

<Button

android:id="@+id/b1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="50dp"

android:layout\_marginRight="20dp"

android:onClick="onnum"

android:layout\_below="@id/btplus"

android:text="1" />

<Button

android:id="@+id/b2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="50dp"

android:layout\_marginRight="20dp"

android:onClick="onnum"

android:layout\_below="@id/btplus"

android:layout\_toRightOf="@id/b1"

android:text="2" />

<Button

android:id="@+id/b3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@id/btplus"

android:layout\_marginTop="50dp"

android:layout\_marginRight="20dp"

android:onClick="onnum"

android:layout\_toRightOf="@id/b2"

android:text="3" />

<Button

android:id="@+id/b4"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="50dp"

android:layout\_marginRight="20dp"

android:onClick="onnum"

android:layout\_below="@id/btdiv"

android:layout\_toRightOf="@id/b3"

android:text="4" />

<Button

android:id="@+id/b5"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:onClick="onnum"

android:layout\_marginTop="20dp"

android:layout\_marginRight="20dp"

android:layout\_below="@id/b1"

android:text="5" />

<Button

android:id="@+id/b6"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="20dp"

android:onClick="onnum"

android:layout\_marginRight="20dp"

android:layout\_below="@id/b1"

android:layout\_toRightOf="@id/b5"

android:text="6" />

<Button

android:id="@+id/b7"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="20dp"

android:layout\_marginRight="20dp"

android:onClick="onnum"

android:layout\_below="@id/b1"

android:layout\_toRightOf="@id/b6"

android:text="7" />

<Button

android:id="@+id/b8"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="20dp"

android:onClick="onnum"

android:layout\_marginRight="20dp"

android:layout\_below="@id/b1"

android:layout\_toRightOf="@id/b7"

android:text="8"/>

<Button

android:id="@+id/b9"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="20dp"

android:onClick="onnum"

android:layout\_marginRight="20dp"

android:layout\_below="@id/b5"

android:text="9"/>

<Button

android:id="@+id/b0"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="20dp"

android:layout\_below="@id/b5"

android:onClick="onnum"

android:layout\_toRightOf="@id/b9"

android:text="0"/>

<Button

android:id="@+id/btcan"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@id/b7"

android:layout\_marginTop="20dp"

android:layout\_marginRight="20dp"

android:onClick="onclick"

android:layout\_marginLeft="20dp"

android:layout\_toRightOf="@id/b0"

android:text="Cancel" />

<Button

android:id="@+id/bteq"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@id/b7"

android:layout\_marginTop="20dp"

android:onClick="onclick"

android:layout\_marginRight="20dp"

android:layout\_toRightOf="@id/btcan"

android:text="=" />

</RelativeLayout>

package com.example.mycalculator;

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 {

EditText etresult;

Button b1, b2, b3, b4, b5, b6, b7, b8, b9, b0, btplus, btminus, btmul, btdiv, btcan, bteq;

float temp1, temp2;

String op;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

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

etresult = (EditText) findViewById(R.id.*etc1*);

btplus = (Button) findViewById(R.id.*btplus*);

btminus = (Button) findViewById(R.id.*btminus*);

btmul = (Button) findViewById(R.id.*btmul*);

btdiv = (Button) findViewById(R.id.*btdiv*);

b1 = (Button) findViewById(R.id.*b1*);

b2 = (Button) findViewById(R.id.*b2*);

b3 = (Button) findViewById(R.id.*b3*);

b4 = (Button) findViewById(R.id.*b4*);

b5 = (Button) findViewById(R.id.*b5*);

b6 = (Button) findViewById(R.id.*b6*);

b7 = (Button) findViewById(R.id.*b7*);

b8 = (Button) findViewById(R.id.*b8*);

b9 = (Button) findViewById(R.id.*b9*);

b0 = (Button) findViewById(R.id.*b0*);

btcan = (Button) findViewById(R.id.*btcan*);

bteq = (Button) findViewById(R.id.*bteq*);

}

public void onclick(View v) {

if (v == btplus || v == btminus || v == btmul || v == btdiv) {

temp1 = Float.*parseFloat*(etresult.getText().toString());

etresult.setText("".toString());

Button b = (Button) v;

op = b.getText().toString();

*//temp2 = Float.parseFloat(etresult.getText().toString());*

}

if (v == bteq) {

temp2 = Float.*parseFloat*(etresult.getText().toString());

if (op.equals("+"))

etresult.setText("" + (temp1 + temp2));

else if (op.equals("-"))

etresult.setText("" + (temp1 - temp2));

else if (op.equals("\*"))

etresult.setText("" + (temp1 \* temp2));

else if (op.equals("/"))

etresult.setText("" + (temp1 / temp2));

}

if (v == btcan) {

etresult.setText("".toString());

}

}

public void onnum(View v)

{

String str=etresult.getText().toString();

Button numb=(Button) v;

String num=numb.getText().toString();

etresult.setText(str+num);

}

}

