**//-------------------MainActivity.java----------------//**

package com.example.lenovo.calcibasic;

import android.content.pm.ActivityInfo;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.text.method.ScrollingMovementMethod;

import android.view.View;

import android.view.Window;

import android.view.WindowManager;

import android.widget.Button;

import android.widget.TextView;

import java.util.ArrayList;

import java.util.List;

public class MainActivity extends AppCompatActivity implements View.OnClickListener {

public TextView outputResult, outputResult2;

private List<String> history = new ArrayList<String>();

private String inputToBeParsed = "";

private String resultObject = "";

private String lastData = "0";

private String major\_str = "";

private String currentDisplayedInput = "";

private double result;

private Button button0, button1, button2, button3, button4, button5, button6, button7,

button8, button9, buttonClear, buttonDivide, buttonMultiply, buttonSubtract,

buttonAdd, buttonPercentage, buttonEqual, buttonDecimal, closeParenthesis, openParenthesis, buttonClearHist,

buttonSingleDelete, H;

private Button buttonSin, buttonLn, buttonCos, buttonLog, buttonTan, buttonSquareRoot, buttonXSquare, buttonYPowerX,

buttonfactorial, buttonPi, buttonCubeRoot, buttonCube, buttonRecall;

@Override

protected void onCreate(Bundle savedInstanceState) {

requestWindowFeature(Window.FEATURE\_NO\_TITLE);

getWindow().setFlags(WindowManager.LayoutParams.FLAG\_FULLSCREEN, WindowManager.LayoutParams.FLAG\_FULLSCREEN);

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

setRequestedOrientation(ActivityInfo.SCREEN\_ORIENTATION\_PORTRAIT);

outputResult = (TextView) findViewById(R.id.display);

outputResult2 = (TextView) findViewById(R.id.display2);

outputResult.setText("");

button0 = (Button) findViewById(R.id.zero\_button);

button1 = (Button) findViewById(R.id.one\_button);

button2 = (Button) findViewById(R.id.two\_button);

button3 = (Button) findViewById(R.id.three\_button);

button4 = (Button) findViewById(R.id.four\_button);

button5 = (Button) findViewById(R.id.five\_button);

button6 = (Button) findViewById(R.id.six\_button);

button7 = (Button) findViewById(R.id.seven\_button);

button8 = (Button) findViewById(R.id.eight\_button);

button9 = (Button) findViewById(R.id.nine\_button);

buttonDivide = (Button) findViewById(R.id.division);

buttonMultiply = (Button) findViewById(R.id.multiplication);

buttonSubtract = (Button) findViewById(R.id.subtraction);

buttonAdd = (Button) findViewById(R.id.addition);

buttonPercentage = (Button) findViewById(R.id.percent);

buttonDecimal = (Button) findViewById(R.id.dot);

closeParenthesis = (Button) findViewById(R.id.close\_bracket);

openParenthesis = (Button) findViewById(R.id.open\_bracket);

buttonSquareRoot = (Button) findViewById(R.id.square\_root);

buttonXSquare = (Button) findViewById(R.id.x\_square);

buttonYPowerX = (Button) findViewById(R.id.x\_power\_y);

buttonSin = (Button) findViewById(R.id.sin\_sign);

buttonCos = (Button) findViewById(R.id.cos\_sign);

buttonTan = (Button) findViewById(R.id.tan\_sign);

buttonLn = (Button) findViewById(R.id.natural\_log);

buttonLog = (Button) findViewById(R.id.log);

buttonClear = (Button) findViewById(R.id.clear);

H = (Button) findViewById(R.id.h);

buttonSingleDelete = (Button) findViewById(R.id.single\_delete);

buttonEqual = (Button) findViewById(R.id.equal\_sign);

buttonClearHist = (Button) findViewById(R.id.CH);

buttonfactorial = (Button) findViewById(R.id.factorial);

buttonPi = (Button) findViewById(R.id.pi);

buttonCubeRoot = (Button) findViewById(R.id.cube\_root);

buttonCube = (Button) findViewById(R.id.cube);

buttonRecall = (Button) findViewById(R.id.recall);

outputResult.setMovementMethod(new ScrollingMovementMethod());

buttonPi.setOnClickListener(this);

buttonCubeRoot.setOnClickListener(this);

buttonCube.setOnClickListener(this);

buttonDecimal.setOnClickListener(this);

button0.setOnClickListener(this);

button1.setOnClickListener(this);

button2.setOnClickListener(this);

button3.setOnClickListener(this);

button4.setOnClickListener(this);

button5.setOnClickListener(this);

button6.setOnClickListener(this);

button7.setOnClickListener(this);

button8.setOnClickListener(this);

button9.setOnClickListener(this);

buttonClear.setOnClickListener(this);

buttonfactorial.setOnClickListener(this);

buttonDivide.setOnClickListener(this);

buttonMultiply.setOnClickListener(this);

buttonSubtract.setOnClickListener(this);

buttonAdd.setOnClickListener(this);

buttonPercentage.setOnClickListener(this);

buttonEqual.setOnClickListener(this);

closeParenthesis.setOnClickListener(this);

openParenthesis.setOnClickListener(this);

buttonSingleDelete.setOnClickListener(this);

buttonSquareRoot.setOnClickListener(this);

buttonXSquare.setOnClickListener(this);

buttonYPowerX.setOnClickListener(this);

buttonSin.setOnClickListener(this);

buttonCos.setOnClickListener(this);

buttonTan.setOnClickListener(this);

buttonLn.setOnClickListener(this);

buttonLog.setOnClickListener(this);

buttonClearHist.setOnClickListener(this);

buttonRecall.setOnClickListener(this);

H.setOnClickListener(this);

}

private void obtainInputValues(String input) {

switch (input) {

case "!":

currentDisplayedInput += "!(";

inputToBeParsed += "!";

break;

case "0":

currentDisplayedInput += "0";

inputToBeParsed += "0";

break;

case "1":

currentDisplayedInput += "1";

inputToBeParsed += "1";

break;

case "2":

currentDisplayedInput += "2";

inputToBeParsed += "2";

break;

case "3":

currentDisplayedInput += "3";

inputToBeParsed += "3";

break;

case "4":

currentDisplayedInput += "4";

inputToBeParsed += "4";

break;

case "5":

currentDisplayedInput += "5";

inputToBeParsed += "5";

break;

case "6":

currentDisplayedInput += "6";

inputToBeParsed += "6";

break;

case "7":

currentDisplayedInput += "7";

inputToBeParsed += "7";

break;

case "8":

currentDisplayedInput += "8";

inputToBeParsed += "8";

break;

case "9":

currentDisplayedInput += "9";

inputToBeParsed += "9";

break;

case ".":

currentDisplayedInput += ".";

inputToBeParsed += ".";

break;

case "+":

currentDisplayedInput += "+";

inputToBeParsed += "+";

break;

case "-":

currentDisplayedInput += "-";

inputToBeParsed += "-";

break;

case "/":

currentDisplayedInput += "/";

inputToBeParsed += "/";

break;

case "x":

currentDisplayedInput += "\*";

inputToBeParsed += "\*";

break;

case "(":

currentDisplayedInput += "(";

inputToBeParsed += "(";

break;

case ")":

currentDisplayedInput += ")";

inputToBeParsed += ")";

break;

case "%":

currentDisplayedInput += "%";

inputToBeParsed += "%";

break;

case "ln":

currentDisplayedInput += "ln(";

inputToBeParsed += "ln(";

break;

case "log":

currentDisplayedInput += "log(";

inputToBeParsed += "log(";

break;

case "âˆš":

currentDisplayedInput += "âˆš(";

inputToBeParsed += "sqrt(";

break;

case "x^y":

currentDisplayedInput += "^";

inputToBeParsed += "^";

break;

case "sin":

currentDisplayedInput += "sin(";

inputToBeParsed += "sin(";

break;

case "cos":

currentDisplayedInput += "cos(";

inputToBeParsed += "cos(";

break;

case "Ï€":

currentDisplayedInput += "Ï€";

inputToBeParsed += "pi";

break;

case "3âˆš":

currentDisplayedInput += "3âˆš(";

inputToBeParsed += "crt(";

break;

case "tan":

currentDisplayedInput += "tan(";

inputToBeParsed += "tan(";

break;

case "exp":

currentDisplayedInput += "E";

inputToBeParsed += "E0";

break;

case "x^2":

currentDisplayedInput += "^2";

inputToBeParsed += "^2";

break;

case "n^3":

currentDisplayedInput += "^3";

inputToBeParsed += "^3";

break;

}

outputResult.setText(currentDisplayedInput);

}

@Override

public void onClick(View view) {

Button button = (Button) view;

String data = button.getText().toString();

//Toast.makeText(this, "Click " + data, Toast.LENGTH\_LONG).show();

if (data.equals("AC")) {

outputResult.setText("");

outputResult2.setText("");

currentDisplayedInput = "";

inputToBeParsed = "";

} else if (data.equals("DEL")) {

String enteredInput = outputResult.getText().toString();

if (enteredInput.length() > 0) {

enteredInput = enteredInput.substring(0, enteredInput.length() - 1);

currentDisplayedInput = enteredInput;

inputToBeParsed = enteredInput;

outputResult.setText(currentDisplayedInput);

}

} else if (data.equals("=")) {

String str = "";

result = eval(inputToBeParsed);

resultObject = Double.toString(result);

str = inputToBeParsed + "=" + resultObject;

history.add(str);

lastData = resultObject;

outputResult.setText(inputToBeParsed);

inputToBeParsed = "";

currentDisplayedInput = "";

outputResult2.setText(removeTrailingZero(resultObject));

} else if (data.equals("CH")) {

major\_str = "";

history.clear();

outputResult.setText("");

outputResult2.setText("");

inputToBeParsed = "";

currentDisplayedInput = "";

} else if (data.equals("H")) {

for (int i = 0; i < history.size(); i++) {

major\_str += history.get(i) + "\n";

}

outputResult.setText(major\_str);

} else if (data.equals("Recall")) {

inputToBeParsed = lastData;

currentDisplayedInput = lastData;

outputResult.setText(currentDisplayedInput);

} else {

obtainInputValues(data);

}

}

private String removeTrailingZero(String formattingInput) {

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

return formattingInput;

}

int dotPosition = formattingInput.indexOf(".");

String newValue = formattingInput.substring(dotPosition, formattingInput.length());

if (newValue.equals(".0")) {

return formattingInput.substring(0, dotPosition);

}

return formattingInput;

}

public double eval(final String str) {

return new Object() {

int pos = -1, ch;

void nextChar() {

ch = (++pos < str.length()) ? str.charAt(pos) : -1;

}

boolean eat(int charToEat) {

while (ch == ' ') nextChar();

if (ch == charToEat) {

nextChar();

return true;

}

return false;

}

double parse() {

nextChar();

double x = parseExpression();

if (pos < str.length()) outputResult.setText("Error");

return x;

}

// Grammar:

// expression = term | expression `+` term | expression `-` term

// term = factor | term `\*` factor | term `/` factor

// factor = `+` factor | `-` factor | `(` expression `)`

// | number | functionName factor | factor `^` factor

double parseExpression() {

double x = parseTerm();

for (; ; ) {

if (eat('+')) x += parseTerm(); // addition

else if (eat('-')) x -= parseTerm(); // subtraction

else return x;

}

}

double parseTerm() {

double x = parseFactor();

for (; ; ) {

if (eat('\*')) x \*= parseFactor(); // multiplication

else if (eat('/')) x /= parseFactor(); // division

else if (eat('%')) {

double t = 0, y = 0, m = 0, r = 0;

t = parseFactor();

y = x / t;

m = y - (int) y;

x = m \* t;

} else if (eat('!')) {

x = parseFactor();

x = factorial(x);

} else return x;

}

}

public double factorial(double n) {

double fact = 1; // this will be the result

for (int i = 1; i <= n; i++) {

fact \*= i;

}

return fact;

}

private double parseFactor() {

if (eat('+')) return parseFactor(); // unary plus

if (eat('-')) return -parseFactor(); // unary minus

double t = 0;

double x = 0;

int startPos = this.pos;

if (eat('(')) { // parentheses

x = parseExpression();

eat(')');

} else if ((ch >= '0' && ch <= '9') || ch == '.') { // numbers

while ((ch >= '0' && ch <= '9') || ch == '.') nextChar();

x = Double.parseDouble(str.substring(startPos, this.pos));

} else if (ch >= 'a' && ch <= 'z') { // functions

while (ch >= 'a' && ch <= 'z') nextChar();

String func = str.substring(startPos, this.pos);

x = parseFactor();

t = parseFactor();

if (func.equals("sqrt")) x = Math.sqrt(x);

else if (func.equals("sin")) x = Math.sin(Math.toRadians(x));

else if (func.equals("cos")) x = Math.cos(Math.toRadians(x));

else if (func.equals("tan")) x = Math.tan(Math.toRadians(x));

else if (func.equals("log")) x = Math.log10(x);

else if (func.equals("ln")) x = Math.log(x);

else x = 3.14;

}

if (eat('^')) x = Math.pow(x, parseFactor()); // exponentiation

//if (eat('%')) x = (x\*t/100);

return x;

}

}.parse();

}

}

**//------------------------activity\_main.xml----------------------//**

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

android:id="@+id/linearLay0"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical">

<LinearLayout

android:id="@+id/display\_screen"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="vertical">

<TextView

android:id="@+id/display"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_gravity="right"

android:cursorVisible="true"

android:gravity="right"

android:maxLines="100"

android:scrollbars="vertical"

android:text="@string/zero\_button"

android:textColor="@color/primary\_text"

android:textColorHint="@color/icons"

android:textSize="42dp" />

<TextView

android:id="@+id/display2"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_gravity="right"

android:cursorVisible="true"

android:gravity="right"

android:text=""

android:textColor="@color/primary\_text"

android:textColorHint="@color/icons"

android:textSize="60dp" />

</LinearLayout>

<!--First Row-->

<!--Second Row Button-->

<LinearLayout

android:id="@+id/second\_row"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430">

<Button

android:id="@+id/sin\_sign"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginRight="1dp"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/sin\_sign"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/cos\_sign"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginRight="1dp"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/cos\_sign"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/tan\_sign"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginRight="1dp"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/tan\_sign"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/natural\_log"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginRight="1dp"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/natural\_log"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/log"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/log"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

</LinearLayout>

<!--Third Row Text-->

<!--Fourth Row Button-->

<!--Fifth Row Text-->

<!--Sixth Row Button-->

<LinearLayout

android:id="@+id/sixth\_row"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430">

<Button

android:id="@+id/x\_power\_y"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/x\_power\_y"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/square\_root"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/square\_root"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/x\_square"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/x\_square"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/pi"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/pi"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/cube"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/cube"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430">

<Button

android:id="@+id/percent"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/percent"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/open\_bracket"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/open\_bracket"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/close\_bracket"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/close\_bracket"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/factorial"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/factorial"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/cube\_root"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/cube\_root"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

<Button

android:id="@+id/recall"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="0.3"

android:background="#080430"

android:text="Recall"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp"

android:textStyle="bold" />

</LinearLayout>

<!--Seventh Row 5 Buttons-->

<LinearLayout

android:id="@+id/seventh\_row"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430">

<Button

android:id="@+id/seven\_button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/seven\_button"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

<Button

android:id="@+id/eight\_button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/eight\_button"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

<Button

android:id="@+id/nine\_button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/nine\_button"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

<Button

android:id="@+id/single\_delete"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="DEL"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp" />

<Button

android:id="@+id/clear"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/clear"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp" />

</LinearLayout>

<!--Eigth Row 5 Text-->

<!--Nine Row 5 Buttons-->

<LinearLayout

android:id="@+id/ninth\_row"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430">

<Button

android:id="@+id/four\_button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/four\_button"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

<Button

android:id="@+id/five\_button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/five\_button"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

<Button

android:id="@+id/six\_button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/six\_button"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

<Button

android:id="@+id/multiplication"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/multiplication"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

<Button

android:id="@+id/division"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/division"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

</LinearLayout>

<!--Ten Row 5 Text-->

<!--Eleven Row 5 Buttons-->

<LinearLayout

android:id="@+id/Eleven\_row"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430">

<Button

android:id="@+id/one\_button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/one\_button"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

<Button

android:id="@+id/two\_button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/two\_button"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

<Button

android:id="@+id/three\_button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/three\_button"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

<Button

android:id="@+id/addition"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/addition"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="24dp" />

<Button

android:id="@+id/subtraction"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/subtraction"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="24dp" />

</LinearLayout>

<!--Twelve Row 5 Buttons-->

<LinearLayout

android:id="@+id/twelve\_row"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430">

<Button

android:id="@+id/zero\_button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/zero\_button"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

<Button

android:id="@+id/dot"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/dot"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="24dp" />

<Button

android:id="@+id/h"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/history"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp" />

<Button

android:id="@+id/CH"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/CH"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="16dp" />

<Button

android:id="@+id/equal\_sign"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:background="#080430"

android:text="@string/equal\_sign"

android:textAllCaps="false"

android:textColor="#fff"

android:textSize="20dp" />

</LinearLayout>

</LinearLayout>