XML

```xml
<?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">
<EditText
android:id="@+id/etresult"
android:layout_width="309dp"
android:layout_height="wrap_content"
android:layout_marginLeft="20dp"
android:layout_marginTop="45dp"
android:ems="10"
android:enabled="false"
android:inputType="textPersonName"
android:text=""/>
<Button
android:id="@+id/btplus"
android:onClick="onClick"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@id/etresult"
android:layout_marginLeft="20dp"
android:layout_marginTop="10dp"
android:text="+" />
<Button
android:id="@+id/btsub"
android:onClick="onClick"
android:layout_width="wrap_content"
```

```xml
android:layout_height="wrap_content"

android:layout_below="@id/etresult"

android:layout_marginStart="20dp"

android:layout_marginLeft="127dp"

android:layout_marginTop="9dp"

android:layout_marginEnd="20dp"

android:layout_marginBottom="20dp"

android:layout_toRightOf="@id/btplus"

android:text="-" />
<Button

android:id="@+id/btstar"

android:onClick="onClick"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_below="@id/etresult"

android:layout_toRightOf="@id/btsub"

android:layout_marginLeft="1dp"

android:layout_marginTop="10dp"

android:text="*" />
<Button

android:id="@+id/btdiv"

android:onClick="onClick"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_below="@id/btplus"

android:layout_marginTop="10dp"

android:layout_marginLeft="20dp"

android:text="/" />
<Button

android:id="@+id/btequal"

android:onClick="onClick"
```

```xml
android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_below="@id/btplus"

android:layout_toRightOf="@id/btdiv"

android:layout_marginTop="10dp"

android:layout_marginLeft="20dp"

android:text="=" />

<Button

android:id="@+id/btclear"

android:onClick="onClick"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_below="@id/btplus"

android:layout_toRightOf="@id/btequal"

android:layout_marginTop="10dp"

android:layout_marginLeft="20dp"

android:text="CLEAR" />

<Button

android:id="@+id/btone"

android:onClick="onnumber"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_below="@id/btdiv"

android:layout_marginTop="10dp"

android:layout_marginLeft="20dp"

android:text="1" />

<Button

android:id="@+id/bttwo"

android:onClick="onnumber"

android:layout_width="wrap_content"

android:layout_height="wrap_content"
```

```xml
        android:layout_below="@id/btdiv"

        android:layout_toRightOf="@id/btone"

        android:layout_marginTop="10dp"

        android:layout_marginLeft="20dp"

        android:text="2" />

    <Button

        android:id="@+id/btthree"

        android:onClick="onnumber"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@id/btdiv"

        android:layout_toRightOf="@id/bttwo"

        android:layout_marginTop="10dp"

        android:layout_marginLeft="20dp"

        android:text="3" />

    <Button

        android:id="@+id/btfour"

        android:onClick="onnumber"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@id/btone"

        android:layout_marginTop="10dp"

        android:layout_marginLeft="20dp"

        android:text="4" />

    <Button

        android:id="@+id/btfive"

        android:onClick="onnumber"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@id/bttwo"

        android:layout_toRightOf="@id/btfour"
```

```xml
        android:layout_marginTop="10dp"

        android:layout_marginLeft="20dp"

        android:text="5" />

    <Button

        android:id="@+id/btsix"

        android:onClick="onnumber"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@id/btthree"

        android:layout_toRightOf="@id/btfive"

        android:layout_marginTop="10dp"

        android:layout_marginLeft="20dp"

        android:text="6" />

    <Button

        android:id="@+id/btseven"

        android:onClick="onnumber"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@id/btfour"

        android:layout_marginTop="10dp"

        android:layout_marginLeft="20dp"

        android:text="7" />

    <Button

        android:id="@+id/bteight"

        android:onClick="onnumber"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_below="@id/btfive"

        android:layout_toRightOf="@id/btseven"

        android:layout_marginTop="10dp"

        android:layout_marginLeft="20dp"
```

```xml
            android:text="8" />
        <Button
            android:id="@+id/btnine"
            android:onClick="onnumber"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@id/btsix"
            android:layout_toRightOf="@id/bteight"
            android:layout_marginTop="10dp"
            android:layout_marginLeft="20dp"
            android:text="9" />
        <Button
            android:id="@+id/btzero"
            android:onClick="onnumber"
            android:layout_width="309dp"
            android:layout_height="wrap_content"
            android:layout_below="@id/btseven"
            android:layout_marginLeft="20dp"
            android:layout_marginTop="10dp"
            android:text="0" />
    </RelativeLayout>
```

ActivityMain.Xml(Java)

```java
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 result;
```

```java
Button plus, minus, product, division, equals, clear, one, two, three, four,

five, six, seven, eight, nine, zero;

Float temp1, temp2;

String op;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity_main);

result = (EditText) findViewById(R.id.etresult);

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

minus = (Button) findViewById(R.id.btsub);

product = (Button) findViewById(R.id.btstar);

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

equals = (Button) findViewById(R.id.btequal);

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

one = (Button) findViewById(R.id.btone);

two = (Button) findViewById(R.id.bttwo);

three = (Button) findViewById(R.id.btthree);

four = (Button) findViewById(R.id.btfour);

five = (Button) findViewById(R.id.btfive);

six = (Button) findViewById(R.id.btsix);

seven = (Button) findViewById(R.id.btseven);

eight = (Button) findViewById(R.id.bteight);

nine = (Button) findViewById(R.id.btnine);

zero = (Button) findViewById(R.id.btzero);

}

public void onClick(View v)

{

if(v == plus || v == minus || v == product || v == division)

{

temp1 = Float.parseFloat(result.getText().toString());
```

```java
result.setText("".toString());

Button b = (Button) v;

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

}

if(v == equals)

{

temp2 = Float.parseFloat(result.getText().toString());

if(op.equals("+"))

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

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

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

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

result.setText(""+(temp1 * temp2));

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

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

}

if (v == clear)

{

result.setText("".toString());

}

}

public void onnumber(View v)

{

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

Button numb = (Button) v;

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

result.setText(str + num);

}

}
```

FirstApp > app > src > main > java > com > example > firstapp > MainActivity > onCreate

activity_main.xml   MainActivity.java

```java
1    package com.example.firstapp;
2
3    import ...
9
10   public class MainActivity extends AppCompatActivity
11   {
12       EditText no1,no2,res;
13       Button plus,minus,div,mult;
14       @Override
15       protected void onCreate(Bundle savedInstanceState) {
16           super.onCreate(savedInstanceState);
17           setContentView(R.layout.activity_main);
18
19           no1=(EditText) findViewById(R.id.etno1);
20           no2=(EditText) findViewById(R.id.etno2);
21           res=(EditText)  findViewById(R.id.etresult);
22           plus=(Button) findViewById(R.id.btplus);
23           minus=(Button) findViewById(R.id.btminus);
24           mult=(Button) findViewById(R.id.btmult);
25           div=(Button) findViewById(R.id.btdiv);
26
27       }
28       public void fun(View v)
29       {
30           float f1=Float.parseFloat(no1.getText().toString());
31           float f2=Float.parseFloat(no2.getText().toString());
32
33           if(v==plus)
34               res.setText(f1+f2+"");
```

FirstApp

7

5

| + | - |
| * | / |

35.0