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Course: BCA 5A Roll No:49

XMI:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayoutxmlns:android="http://schemas.android.com/apk/res/android"</pre>
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"
android:padding="16dp"
android:orientation="vertical"
tools:context="MainActivity">
<EditText
android:id="@+id/et1"
android:layout width="match parent"
android:layout height="wrap content"
android:inputType="number"
android:minHeight="48dp"
tools:ignore="SpeakableTextPresentCheck" />
<EditText
android:id="@+id/et2"
android:layout width="match parent"
android:layout_height="wrap content"
android:layout_below="@+id/et1"
android:layout alignParentStart="true"
android:inputType="number"
android:minHeight="48dp"
tools:ignore="SpeakableTextPresentCheck" />
<TextView
android:id="@+id/tv1"
android:layout width="wrap content"
android:layout_height="wrap content"
android:layout below="@+id/et2"
android:layout centerHorizontal="true"
android:layout marginTop="16dp"
android:text="\overline{0}"
android:textColor="@android:color/black"
android:textSize="50sp" />
<Button
android:id="@+id/b1"
android:layout width="wrap content"
android:layout height="wrap content"
android:layout centerHorizontal="true"
android:layout centerVertical="true"
android:text="add" />
<But.ton
android:id="@+id/b2"
android:layout width="wrap content"
android:layout height="wrap content"
android:layout centerHorizontal="true"
android:layout centerVertical="true"
android:text="sub" />
```

```
<Button
android:id="@+id/b3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_centerHorizontal="true"
android:layout_centerVertical="true"
android:text="mul" />
<Button
android:id="@+id/b4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_centerHorizontal="true"
android:layout_centerVertical="true"
android:text="div" />
</LinearLayout>
```

JAVA:

```
package com.example.add;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
public class MainActivityextends AppCompatActivity{
EditTextedt1, edt2;
TextViewtxtv1;
Button btn1,btn2,btn3,btn4;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity main);
edt1 = findViewById(R.id.et1);
edt2 = findViewById(R.id.et2);
txtv1 = findViewById(R.id.tv1);
btn1 = findViewById(R.id.b1);
btn2= findViewById(R.id.b2);
btn3= findViewById(R.id.b3);
btn4= findViewById(R.id.b4);
btn1.setOnClickListener(v -> {
if (edt1.getText().toString().length() == 0) {
edt1.setText("0");
if (edt2.getText().toString().length() == 0) {
edt2.setText("0");
intnum1 = Integer.parseInt(edt1.getText().toString());
intnum2 = Integer.parseInt(edt2.getText().toString());
intsum = num1 + num2;
txtv1.setText(String.valueOf(sum));
        });
```

```
btn2.setOnClickListener(v -> {
if (edt1.getText().toString().length() == 0) {
edt1.setText("0");
if (edt2.getText().toString().length() == 0) {
edt2.setText("0");
intnum1 = Integer.parseInt(edt1.getText().toString());
intnum2 = Integer.parseInt(edt2.getText().toString());
intsub = num1 - num2;
txtv1.setText(String.valueOf(sub));
        });
btn3.setOnClickListener(v -> {
if (edt1.getText().toString().length() == 0) {
edt1.setText("0");
if (edt2.getText().toString().length() == 0) {
edt2.setText("0");
intnum1 = Integer.parseInt(edt1.getText().toString());
intnum2 = Integer.parseInt(edt2.getText().toString());
intmul= num1 * num2;
txtv1.setText(String.valueOf(mul));
       });
btn4.setOnClickListener(v -> {
if (edt1.getText().toString().length() == 0) {
edt1.setText("0");
if (edt2.getText().toString().length() == 0) {
edt2.setText("0");
           }
intnum1 = Integer.parseInt(edt1.getText().toString());
intnum2 = Integer.parseInt(edt2.getText().toString());
intdiv = num1 / num2;
txtv1.setText(String.valueOf(div));
        });
    }
}
```

Output:







