

Name:-Krishant Chauhan

Course:-BCA 5A

Roll no:-29

Uni. Roll no:-1921085

Q-Create a simple application to add two numbers.

## Java Code: -

```
package com.example.sum;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    private EditText edt1,edt2;
    private TextView txtv1;
    private Button btn1;

    @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);

        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(edt1.getText().toString().length()==0)
                {
                    edt1.setText("0");
                }
                if(edt2.getText().toString().length()==0)
                {
                    edt2.setText("0");
                }
                int num1=Integer.parseInt(edt1.getText().toString());
                int num2=Integer.parseInt(edt2.getText().toString());
                int sum=num1+num2;
                txtv1.setText(String.valueOf(sum));
            }
        });
    }
}
```

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# Xml Code: -

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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/et1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="number"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.039" />

    <EditText
        android:id="@+id/et2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="number"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/et1"
        app:layout_constraintVertical_bias="0.129" />

    <TextView
        android:id="@+id/tv1"
        android:layout_width="103dp"
        android:layout_height="47dp"
        android:text="0"
        android:textAlignment="center"
        android:textColor="#000000"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/et2"
        app:layout_constraintVertical_bias="0.069" />

    <Button
        android:id="@+id/b1"
```

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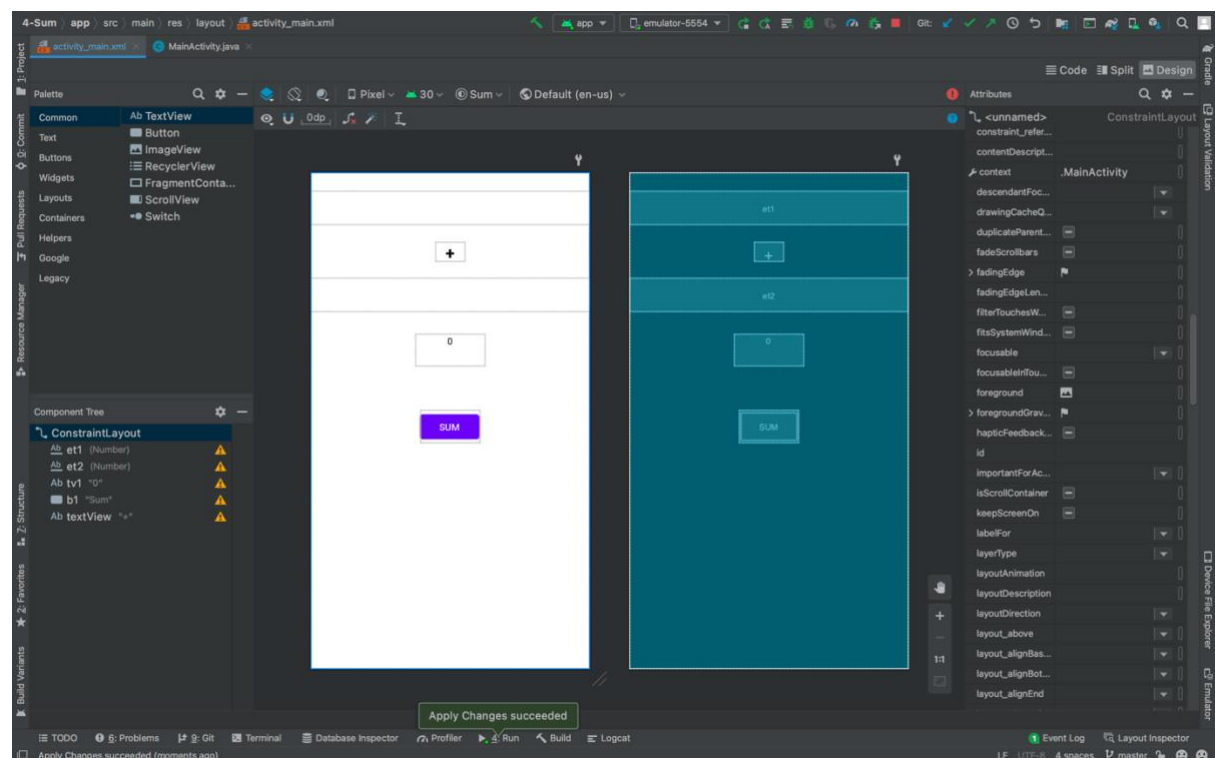
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```
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Sum"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/tv1"
        app:layout_constraintVertical_bias="0.165" />

<TextView
    android:id="@+id/textView"
    android:layout_width="43dp"
    android:layout_height="28dp"
    android:text="+"
    android:textAlignment="center"
    android:textColor="#000000"
    android:textSize="24sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toTopOf="@+id/et2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/et1" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

O/P: - Below



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