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));  
 }  
 });  
 }  
}

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"  
 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

Graphical user interface

Description automatically generated

Graphical user interface, application

Description automatically generated