*<?*xml version="1.0" encoding="utf-8"*?>*<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical">  
  
 <EditText  
 android:id="@+id/editTextNumber1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter Number 1" />  
  
 <EditText  
 android:id="@+id/editTextNumber2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter Number 2" />  
  
 <TextView  
 android:id="@+id/textViewResult"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Result: "  
 android:layout\_gravity="center"  
 android:layout\_marginTop="16dp" />  
  
 <Button  
 android:id="@+id/buttonAdd"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="+"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="20dp"/>  
  
 <Button  
 android:id="@+id/buttonSubtract"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="-"  
 android:layout\_gravity="center" />  
  
 <Button  
 android:id="@+id/buttonMultiply"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="\*"  
 android:layout\_gravity="center" />  
  
 <Button  
 android:id="@+id/buttonDivide"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="/"  
 android:layout\_gravity="center" />  
  
 <Button  
 android:id="@+id/buttonClear"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Clear"  
 android:layout\_gravity="center" />  
  
  
  
</LinearLayout>

package com.example.calculator;  
  
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 editTextNumber1;  
 private EditText editTextNumber2;  
 private Button buttonAdd;  
 private Button buttonSubtract;  
 private Button buttonMultiply;  
 private Button buttonDivide;  
 private Button buttonClear;  
 private TextView textViewResult;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 editTextNumber1 = findViewById(R.id.*editTextNumber1*);  
 editTextNumber2 = findViewById(R.id.*editTextNumber2*);  
 buttonAdd = findViewById(R.id.*buttonAdd*);  
 buttonSubtract = findViewById(R.id.*buttonSubtract*);  
 buttonMultiply = findViewById(R.id.*buttonMultiply*);  
 buttonDivide = findViewById(R.id.*buttonDivide*);  
 buttonClear = findViewById(R.id.*buttonClear*);  
 textViewResult = findViewById(R.id.*textViewResult*);  
  
 buttonAdd.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 calculate("+");  
 }  
 });  
  
 buttonSubtract.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 calculate("-");  
 }  
 });  
  
 buttonMultiply.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 calculate("\*");  
 }  
 });  
  
 buttonDivide.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 calculate("/");  
 }  
 });  
  
 buttonClear.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 clearInputFields();  
 }  
 });  
 }  
  
 private void calculate(String operation) {  
 String num1 = editTextNumber1.getText().toString();  
 String num2 = editTextNumber2.getText().toString();  
  
 if (!num1.isEmpty() && !num2.isEmpty()) {  
 double result = 0;  
 double number1 = Double.*parseDouble*(num1);  
 double number2 = Double.*parseDouble*(num2);  
  
 switch (operation) {  
 case "+":  
 result = number1 + number2;  
 break;  
 case "-":  
 result = number1 - number2;  
 break;  
 case "\*":  
 result = number1 \* number2;  
 break;  
 case "/":  
 if (number2 != 0) {  
 result = number1 / number2;  
 } else {  
 textViewResult.setText("Division by zero is not allowed");  
 return;  
 }  
 break;  
 }  
  
 textViewResult.setText("Result: " + result);  
 } else {  
 textViewResult.setText("Please enter two numbers");  
 }  
 }  
  
 private void clearInputFields() {  
 editTextNumber1.getText().clear();  
 editTextNumber2.getText().clear();  
 textViewResult.setText("Result: ");  
 }  
}