CALCULATOR(PGM-5)

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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:id="@+id/main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter first number"  
 android:inputType="number"  
 android:id="@+id/fno"  
 android:layout\_margin="10dp"  
 android:textColor="@color/black"  
 />  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter second number"  
 android:inputType="number"  
 android:id="@+id/sno"  
 android:layout\_margin="10dp"  
 android:textColor="@color/black"/>  
 <androidx.appcompat.widget.AppCompatButton  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="+"  
 android:id="@+id/add"  
 android:layout\_margin="10dp"  
 android:textColor="@color/black"/>  
 <androidx.appcompat.widget.AppCompatButton  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="-"  
 android:id="@+id/sub"  
 android:layout\_margin="10dp"  
 android:textColor="@color/black"/>  
 <androidx.appcompat.widget.AppCompatButton  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="/"  
 android:id="@+id/div"  
 android:layout\_margin="10dp"  
 android:textColor="@color/black"/>  
 <androidx.appcompat.widget.AppCompatButton  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="\*"  
 android:id="@+id/multi"  
 android:layout\_margin="10dp"  
 android:textColor="@color/black"/>  
 <androidx.appcompat.widget.AppCompatButton  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="clear"  
 android:id="@+id/clear"  
 android:layout\_margin="10dp"  
 android:textColor="@color/black"/>  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="result"  
 android:id="@+id/res"  
 android:layout\_margin="10dp"  
 android:textColor="@color/black"/>  
  
</LinearLayout>

MAINACTIVITY

package com.example.calculator;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.appcompat.widget.AppCompatButton;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
public class MainActivity extends AppCompatActivity {  
 EditText ed1,ed2,ed3;  
 AppCompatButton b1,b2,b3,b4,b5;  
 @Override  
  
  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 ed1=(EditText) findViewById(R.id.*fno*);  
 ed2=(EditText) findViewById(R.id.*sno*);  
 ed3=(EditText) findViewById(R.id.*res*);  
 b1=(AppCompatButton) findViewById(R.id.*add*);  
 b2=(AppCompatButton) findViewById(R.id.*sub*);  
 b3=(AppCompatButton) findViewById(R.id.*div*);  
 b4=(AppCompatButton) findViewById(R.id.*multi*);  
 b5=(AppCompatButton) findViewById(R.id.*clear*);  
 b1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 if(ed1.getText().length()>0 && (ed2.getText().length()>0)){  
 int first=Integer.*parseInt*(ed1.getText().toString());  
 int second=Integer.*parseInt*(ed2.getText().toString());  
 int result=first+second;  
 ed3.setText(Integer.*toString*(result));  
 }  
 }  
 });  
 b2.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 if(ed1.getText().length()>0 && (ed2.getText().length()>0)){  
 double first=Double.*parseDouble*(ed1.getText().toString());  
 double second=Double.*parseDouble*(ed2.getText().toString());  
 double result=first-second;  
 ed3.setText(Double.*toString*(result));  
 }  
 }  
 });  
 b3.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 if(ed1.getText().length()>0 && (ed2.getText().length()>0)){  
 double first=Double.*parseDouble*(ed1.getText().toString());  
 double second=Double.*parseDouble*(ed2.getText().toString());  
 double result=first/second;  
 ed3.setText(Double.*toString*(result));  
 }  
 }  
 });  
 b4.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 if(ed1.getText().length()>0 && (ed2.getText().length()>0)){  
  
  
  
 double first=Double.*parseDouble*(ed1.getText().toString());  
 double second=Double.*parseDouble*(ed2.getText().toString());  
 double result=first\*second;  
 ed3.setText(Double.*toString*(result));  
 }  
 }  
 });  
 b5.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 ed1.setText("");  
 ed2.setText("");  
 ed3.setText("");  
 }  
 });  
 }  
}