**Application-7**

activity\_main.xml

*<?*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">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Simple Calculator"  
 android:textSize="30sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.067" />  
  
 <EditText  
 android:id="@+id/e1"  
 android:layout\_width="126dp"  
 android:layout\_height="74dp"  
 android:ems="10"  
 android:hint="number1"  
 android:inputType="textPersonName"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.079"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.221" />  
  
 <EditText  
 android:id="@+id/e2"  
 android:layout\_width="157dp"  
 android:layout\_height="66dp"  
 android:ems="10"  
 android:hint="number2"  
 android:inputType="textPersonName"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.877"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.219" />  
  
 <TextView  
 android:id="@+id/t1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.338" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="68dp"  
 android:layout\_height="43dp"  
 android:text="+"  
 android:onClick="Add"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.058"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.497" />  
  
 <Button  
 android:id="@+id/button2"  
 android:layout\_width="54dp"  
 android:layout\_height="46dp"  
 android:text="-"  
 android:onClick="Sub"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.347"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.499" />  
  
 <Button  
 android:id="@+id/button3"  
 android:layout\_width="64dp"  
 android:layout\_height="47dp"  
 android:text="\*"  
 android:onClick="Mul"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.639"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <Button  
 android:id="@+id/button4"  
 android:layout\_width="68dp"  
 android:layout\_height="45dp"  
 android:text="/"  
 android:onClick="Div"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.909"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

MainActivity.java

package com.example.application7;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity {  
 EditText edt1,edt2;  
 TextView output;  
 int number1,number2;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 edt1=(EditText) findViewById(R.id.*e1*);  
 edt2=(EditText) findViewById(R.id.*e2*);  
 output=(TextView) findViewById(R.id.*t1*);  
 }  
  
 public void Add(View view) {  
 number1=Integer.*parseInt*(edt1.getText().toString());  
 number2=Integer.*parseInt*(edt2.getText().toString());  
 output.setText(String.*valueOf*(number1+number2));  
 }  
  
 public void Sub(View view) {  
 number1=Integer.*parseInt*(edt1.getText().toString());  
 number2=Integer.*parseInt*(edt2.getText().toString());  
 output.setText(String.*valueOf*(number1-number2));  
 }  
  
 public void Mul(View view) {  
 number1=Integer.*parseInt*(edt1.getText().toString());  
 number2=Integer.*parseInt*(edt2.getText().toString());  
 output.setText(String.*valueOf*(number1\*number2));  
 }  
  
 public void Div(View view) {  
 number1=Integer.*parseInt*(edt1.getText().toString());  
 number2=Integer.*parseInt*(edt2.getText().toString());  
 output.setText(String.*valueOf*(number1/number2));  
 }  
}