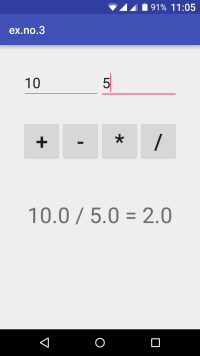
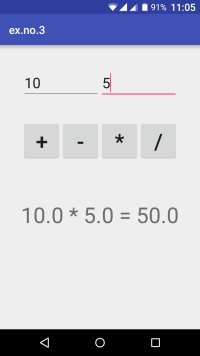
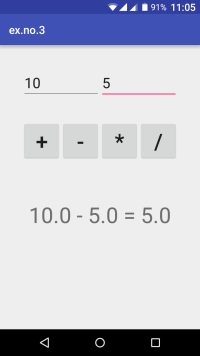
**Code for Activity\_main.xml:**

|  |
| --- |
| <?xml version="1.0" encoding="utf-8"?>  <LinearLayout      xmlns:android="http://schemas.android.com/apk/res/android"      android:orientation="vertical"      android:layout\_width="match\_parent"      android:layout\_height="match\_parent"      android:layout\_margin="20dp">      <LinearLayout          android:id="@+id/linearLayout1"          android:layout\_width="match\_parent"          android:layout\_height="wrap\_content"          android:layout\_margin="20dp">       <EditText              android:id="@+id/editText1"              android:layout\_width="match\_parent"              android:layout\_height="wrap\_content"              android:layout\_weight="1"              android:inputType="numberDecimal"              android:textSize="20sp" />       <EditText              android:id="@+id/editText2"              android:layout\_width="match\_parent"              android:layout\_height="wrap\_content"              android:layout\_weight="1"              android:inputType="numberDecimal"             android:textSize="20sp" />       </LinearLayout>       <LinearLayout          android:id="@+id/linearLayout2"          android:layout\_width="match\_parent"          android:layout\_height="wrap\_content"          android:layout\_margin="20dp">       <Button              android:id="@+id/Add"              android:layout\_width="match\_parent"              android:layout\_height="wrap\_content"              android:layout\_weight="1"              android:text="+"              android:textSize="30sp"/>          <Button              android:id="@+id/Sub"              android:layout\_width="match\_parent"              android:layout\_height="wrap\_content"              android:layout\_weight="1"              android:text="-"              android:textSize="30sp"/>          <Button              android:id="@+id/Mul"              android:layout\_width="match\_parent"              android:layout\_height="wrap\_content"              android:layout\_weight="1"              android:text="\*"              android:textSize="30sp"/>          <Button              android:id="@+id/Div"              android:layout\_width="match\_parent"              android:layout\_height="wrap\_content"              android:layout\_weight="1"              android:text="/"              android:textSize="30sp"/>      </LinearLayout>      <TextView          android:id="@+id/textView"          android:layout\_width="match\_parent"          android:layout\_height="wrap\_content"          android:layout\_marginTop="50dp"          android:text="Answer is"          android:textSize="30sp"          android:gravity="center"/>  </LinearLayout> |

**Code for Activity\_main.java:**

|  |  |
| --- | --- |
|  | package com.example.devang.exno3;   import android.os.Bundle;  import android.support.v7.app.AppCompatActivity;  import android.text.TextUtils;  import android.view.View;  import android.view.View.OnClickListener;  import android.widget.Button;  import android.widget.EditText;  import android.widget.TextView;   public class MainActivity extends AppCompatActivity implements OnClickListener  {      //Defining the Views      EditText Num1;      EditText Num2;      Button Add;      Button Sub;      Button Mul;      Button Div;      TextView Result;       @Override      public void onCreate(Bundle savedInstanceState)      {          super.onCreate(savedInstanceState);          setContentView(R.layout.activity\_main);            //Referring the Views          Num1 = (EditText) findViewById(R.id.editText1);  Num2 = (EditText) findViewById(R.id.editText2);          Add = (Button) findViewById(R.id.Add);          Sub = (Button) findViewById(R.id.Sub);          Mul = (Button) findViewById(R.id.Mul);          Div = (Button) findViewById(R.id.Div);          Result = (TextView) findViewById(R.id.textView);           // set a listener          Add.setOnClickListener(this);          Sub.setOnClickListener(this);          Mul.setOnClickListener(this);          Div.setOnClickListener(this);      }          @Override      public void onClick (View v)      {         float num1 = 0;          float num2 = 0;          float result = 0;          String oper = "";           // check if the fields are empty          if (TextUtils.isEmpty(Num1.getText().toString()) || TextUtils.isEmpty(Num2.getText().toString()))                  return;           // read EditText and fill variables with numbers          num1 = Float.parseFloat(Num1.getText().toString());          num2 = Float.parseFloat(Num2.getText().toString());           // defines the button that has been clicked and performs the corresponding operation          // write operation into oper, we will use it later for output          switch (v.getId())          {              case R.id.Add:                  oper = "+";                  result = num1 + num2;                  break;              case R.id.Sub:                  oper = "-";                  result = num1 - num2;                  break;              case R.id.Mul:                  oper = "\*";                  result = num1 \* num2;                  break;              case R.id.Div:                  oper = "/";                  result = num1 / num2;                  break;              default:                  break;          }          // form the output line          Result.setText(num1 + " " + oper + " " + num2 + " = " + result);      }  } |

**OUTPUT:                  
   
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