**Main Activity.java**

**import** android.os.Bundle;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.view.View;  
**import** android.widget.EditText;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 }  
  
  
  
 **public void** calcadd(View view) {  
 EditText no1 = (EditText) findViewById(R.id.***no1***);  
 EditText no2 = (EditText) findViewById(R.id.***no2***);  
 TextView result = (TextView) findViewById(R.id.***result***);  
 **int** n1 = Integer.*parseInt*(no1.getText().toString());  
 **int** n2 = Integer.*parseInt*(no2.getText().toString());  
 **int** res;  
 res = n1 + n2;  
  
 result.setText(**"Answer is : "** + res);  
 Toast.*makeText*(getApplicationContext(), **"answer is "** + res,Toast.***LENGTH\_LONG***).show();  
  
 }  
  
 **public void** calcsub (View view) {  
 EditText no1 = (EditText) findViewById(R.id.***no1***);  
 EditText no2 = (EditText) findViewById(R.id.***no2***);  
 TextView result = (TextView) findViewById(R.id.***result***);  
 **int** n1 = Integer.*parseInt*(no1.getText().toString());  
 **int** n2 = Integer.*parseInt*(no2.getText().toString());  
 **int** res;  
 res = n1 - n2;  
  
 result.setText(**"Answer is : "** + res);  
 Toast.*makeText*(getApplicationContext(), **"answer is "** + res,Toast.***LENGTH\_LONG***).show();  
  
 }  
  
 **public void** calcmul (View view) {  
 EditText no1 = (EditText) findViewById(R.id.***no1***);  
 EditText no2 = (EditText) findViewById(R.id.***no2***);  
 TextView result = (TextView) findViewById(R.id.***result***);  
 **int** n1 = Integer.*parseInt*(no1.getText().toString());  
 **int** n2 = Integer.*parseInt*(no2.getText().toString());  
 **int** res;  
 res = n1 \* n2;  
  
 result.setText(**"Answer is : "** + res);  
 Toast.*makeText*(getApplicationContext(), **"answer is "** + res,Toast.***LENGTH\_LONG***).show();  
  
 }  
  
 **public void** calcdiv (View view) {  
 EditText no1 = (EditText) findViewById(R.id.***no1***);  
 EditText no2 = (EditText) findViewById(R.id.***no2***);  
 TextView result = (TextView) findViewById(R.id.***result***);  
 **int** n1 = Integer.*parseInt*(no1.getText().toString());  
 **int** n2 = Integer.*parseInt*(no2.getText().toString());  
 **double** res;  
 res = (**double**) n1 / n2;  
  
 result.setText(**"Answer is : "** + res);  
 Toast.*makeText*(getApplicationContext(), **"answer is "** + res,Toast.***LENGTH\_LONG***).show();  
  
 }  
  
 **public void** calcsquare(View view) {  
 TextView result = (TextView) findViewById(R.id.***result***);  
 EditText no1 = (EditText) findViewById(R.id.***no1***);  
 **int** n1 = Integer.*parseInt*(no1.getText().toString());  
 **int** res = n1 \* n1;  
  
 result.setText(**"Answer is : "** + res);  
 Toast.*makeText*(getApplicationContext(), **"answer is "** + res,Toast.***LENGTH\_LONG***).show();  
 }  
  
 **public void** calcsqrt(View view) {  
 TextView result = (TextView) findViewById(R.id.***result***);  
 EditText no1 = (EditText) findViewById(R.id.***no1***);  
 **double** n1 = Double.*parseDouble*(no1.getText().toString());  
 **double** res;  
 res = Math.*sqrt*(n1);  
  
 result.setText(**"Answer is : "** + res);  
 Toast.*makeText*(getApplicationContext(), **"answer is "** + res,Toast.***LENGTH\_LONG***).show();  
 }  
}

**activity\_main.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  
 tools:context=".MainActivity"  
 tools:showIn="@layout/activity\_main"**>  
  
 <**EditText  
 android:id="@+id/no1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="16dp"  
 android:ems="10"  
 android:hint="number 1"  
 android:inputType="textPersonName"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.502"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**EditText  
 android:id="@+id/no2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="78dp"  
 android:ems="10"  
 android:hint="number 2"  
 android:inputType="textPersonName"  
 app:layout\_constraintStart\_toStartOf="@+id/no1"  
 app:layout\_constraintTop\_toBottomOf="@+id/no1"** />  
  
 <**Button  
 android:id="@+id/add"  
 android:layout\_width="54dp"  
 android:layout\_height="53dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignTop="@+id/div"  
 android:layout\_marginEnd="61dp"  
 android:onClick="calcadd"  
 android:text="+"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/square"  
 app:layout\_constraintHorizontal\_bias="0.118"  
 app:layout\_constraintHorizontal\_chainStyle="packed"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/no2"** />  
  
 <**Button  
 android:id="@+id/sub"  
 android:layout\_width="54dp"  
 android:layout\_height="53dp"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignTop="@+id/div"  
 android:layout\_marginEnd="145dp"  
 android:onClick="calcsub"  
 android:text="-"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/square"  
 app:layout\_constraintHorizontal\_bias="0.118"  
 app:layout\_constraintHorizontal\_chainStyle="packed"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/no2"** />  
  
 <**Button  
 android:id="@+id/mul"  
 android:layout\_width="54dp"  
 android:layout\_height="53dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignTop="@+id/div"  
 android:layout\_marginStart="105dp"  
 android:onClick="calcmul"  
 android:text="\*"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/square"  
 app:layout\_constraintHorizontal\_bias="0.118"  
 app:layout\_constraintHorizontal\_chainStyle="packed"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/no2"** />  
  
 <**Button  
 android:id="@+id/div"  
 android:layout\_width="54dp"  
 android:layout\_height="53dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginStart="30dp"  
 android:layout\_marginTop="170dp"  
 android:onClick="calcdiv"  
 android:text="/"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/square"  
 app:layout\_constraintHorizontal\_bias="0.118"  
 app:layout\_constraintHorizontal\_chainStyle="packed"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/no2"** />  
  
 <**TextView  
 android:id="@+id/result"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="116dp"  
 android:width="100dp"  
 android:height="50dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"** />  
  
 <**Button  
 android:id="@+id/square"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignEnd="@+id/no1"  
 android:layout\_alignTop="@+id/sqrt"  
 android:onClick="calcsquare"  
 android:text="Square"  
 app:layout\_constraintEnd\_toStartOf="@+id/sqrt"  
 app:layout\_constraintStart\_toEndOf="@+id/add"  
 app:layout\_constraintTop\_toTopOf="@+id/add"** />  
  
 <**Button  
 android:id="@+id/sqrt"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_alignStart="@+id/no1"  
 android:layout\_marginBottom="213dp"  
 android:onClick="calcsqrt"  
 android:text="Sqrt"  
 app:layout\_constraintBaseline\_toBaselineOf="@+id/square"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@+id/square"** />  
  
</**RelativeLayout**>