*Practical No:-1*

*B)*

*activity\_main.xml*

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 tools:context="com.example.student.myapplication.MainActivity"**>  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/editText1"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:hint="Enter first number"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/editText2"  
 android:layout\_below="@+id/editText1"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:hint="Enter second number"** />  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Add"  
 android:id="@+id/button"  
 android:layout\_below="@+id/editText2"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/button"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Sub"  
 android:id="@+id/button2"  
 android:layout\_above="@+id/textView"  
 android:layout\_toRightOf="@+id/button"  
 android:layout\_toEndOf="@+id/button"** />  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="MUL"  
 android:id="@+id/button3"  
 android:layout\_above="@+id/textView"  
 android:layout\_toRightOf="@+id/button2"  
 android:layout\_toEndOf="@+id/button2"** />  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Div"  
 android:id="@+id/button4"  
 android:layout\_above="@+id/textView"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"** />  
</**RelativeLayout**>

MainActivity.java

**package** com.example.student.myapplication;  
  
**import** android.support.v7.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 {  
  
 EditText **e1**,**e2**;  
 Button **b1**,**b2**,**b3**,**b4**;  
 TextView **t1**;  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **e1** =(EditText) findViewById(R.id.***editText1***);  
 **e2** =(EditText) findViewById(R.id.***editText2***);  
 **b1** =(Button) findViewById(R.id.***button***);  
 **b2** =(Button) findViewById(R.id.***button2***);  
 **b3** =(Button) findViewById(R.id.***button3***);  
 **b4** =(Button) findViewById(R.id.***button4***);  
  
 **t1** =(TextView) findViewById(R.id.***textView***);  
  
 **b1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 **int** a = Integer.*parseInt*(**e1**.getText().toString());  
 **int** b = Integer.*parseInt*(**e2**.getText().toString());  
 **int** c = a+b;  
 **t1**.setText(**"Result is "**+c);  
 }  
 });  
 **b2**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 **int** a = Integer.*parseInt*(**e1**.getText().toString());  
 **int** b = Integer.*parseInt*(**e2**.getText().toString());  
 **int** c = a-b;  
 **t1**.setText(**"Result is "**+c);  
 }  
 });  
 **b3**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 **int** a = Integer.*parseInt*(**e1**.getText().toString());  
 **int** b = Integer.*parseInt*(**e2**.getText().toString());  
 **int** c = a\*b;  
 **t1**.setText(**"Result is "**+c);  
 }  
 });  
 **b4**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 **int** a = Integer.*parseInt*(**e1**.getText().toString());  
 **int** b = Integer.*parseInt*(**e2**.getText().toString());  
 **int** c = a/b;  
 **t1**.setText(**"Result is "**+c);  
 }  
 });  
 }  
}

Output: