2. ADD

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:id="@+id/activity\_main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="16dp"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 tools:context="com.example.mca.addnumber.MainActivity"**>  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="number"  
 android:ems="10"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginRight="14dp"  
 android:layout\_marginEnd="14dp"  
 android:layout\_marginTop="46dp"  
 android:id="@+id/t1"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:layout\_marginTop="43dp"  
 android:id="@+id/t2"  
 android:layout\_below="@+id/t1"  
 android:layout\_alignLeft="@+id/t1"  
 android:layout\_alignStart="@+id/t1"  
 android:inputType="number"** />  
  
 <**TextView  
 android:text="Number A"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginLeft="13dp"  
 android:layout\_marginStart="13dp"  
 android:layout\_above="@+id/t2"  
 android:layout\_alignTop="@+id/t1"  
 android:layout\_toLeftOf="@+id/t1"  
 android:layout\_toStartOf="@+id/t1"** />  
  
 <**TextView  
 android:text="Number B"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView1"  
 android:layout\_alignBottom="@+id/t2"  
 android:layout\_alignLeft="@+id/textView"  
 android:layout\_alignStart="@+id/textView"  
 android:layout\_alignTop="@+id/t2"  
 android:layout\_toLeftOf="@+id/t2"  
 android:layout\_toStartOf="@+id/t2"** />  
  
 <**Button  
 android:text="ADD "  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/t2"  
 android:layout\_alignLeft="@+id/t2"  
 android:layout\_alignStart="@+id/t2"  
 android:layout\_marginTop="18dp"  
 android:id="@+id/b"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/tr"  
 android:layout\_below="@+id/b"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="63dp"** />  
</**RelativeLayout**>

Java

**package** com.example.mca.addnumber;  
  
  
**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 **t1**,**t2**;  
 Button **b**;  
 TextView **tr**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **t1**=(EditText)findViewById(R.id.***t1***);  
 **t2**=(EditText)findViewById(R.id.***t2***);  
 **tr**=(TextView)findViewById(R.id.***tr***);  
 **b**=(Button)findViewById(R.id.***b***);  
  
 **b**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
  
  
 String a=**t1**.getText().toString();  
 String b=**t2**.getText().toString();  
  
 **int** c=Integer.*parseInt*(a)+Integer.*parseInt*(b);  
  
 **tr**.setText(String.*valueOf*(c));  
  
  
 }  
 });  
 }  
}

3. toast

Activity

**package** com.example.mca.toast;  
  
**import** android.os.Bundle;  
**import** android.support.v7.app.ActionBarActivity;  
**import** android.view.Menu;  
**import** android.view.View;  
**import** android.widget.Toast;  
  
  
**public class** MainActivity **extends** ActionBarActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 }  
  
 *//Display toast on button click  
//set onclick() property of button as “displayingToast”( userdefined function )-------  
//android:onClick="displayingToast"* **public void** displayingToast(View view) {  
  
 Toast.*makeText*(MainActivity.**this**, **"Hello Toast Message!"**, Toast.***LENGTH\_LONG***).show();  
  
 }  
}

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:id="@+id/activity\_main"  
 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.mca.toast.MainActivity"**>  
  
 <**Button  
 android:text="CLICK"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/button"  
 android:layout\_centerVertical="true"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginLeft="60dp"  
 android:layout\_marginStart="60dp"  
 android:onClick="displayingToast"** />  
</**RelativeLayout**>

4.linear

Xml

<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
  
 android:paddingLeft="100dp"  
  
 tools:context="com.example.mca.linear.MainActivity"  
 android:orientation="vertical"** >  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:text="to"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
  
 android:hint="from"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
  
 android:hint="message"  
 android:layout\_gravity="center\_horizontal"  
 android:gravity="right"** />  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
  
 android:layout\_gravity="center\_horizontal"  
  
 android:text="send"** />  
</**LinearLayout**>

Java

**package** com.example.mca.linear;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 }  
}

5.

Xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**TableLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/tableLayout1"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="fill\_parent"  
 android:textAlignment="center"**>  
  
 *<!-- 2 columns -->* <**TableRow  
 android:id="@+id/tableRow1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:padding="5dip"** >  
 <**TextView  
 android:text="TIMETABLE"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView1"  
 android:textAlignment="center"  
 android:layout\_span="4"  
 android:layout\_gravity="center"  
 android:textColor="@color/colorAccent"** />  
 </**TableRow**>  
 *<!-- edittext span 2 column -->* <**TableRow**>  
 <**TextView  
 android:text="DAY/TIME"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView2"  
 android:textStyle="italic"  
 tools:textStyle="italic"  
 android:textColor="@android:color/holo\_blue\_bright"  
 android:textAlignment="center"** />  
  
 <**TextView  
 android:text=" 9.00-10.00 "  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView3"  
 android:textColor="@android:color/holo\_blue\_bright"  
 android:textAlignment="center"** />  
 <**TextView  
 android:text=" 10.00-11.00 "  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView4"  
 android:textColor="@android:color/holo\_blue\_bright"  
 android:textAlignment="center"** />  
 <**TextView  
 android:text=" 11.00-12.00 "  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView5"  
 android:textColor="@android:color/holo\_blue\_bright"  
 android:textAlignment="center"** />  
 <**TextView  
 android:text=" 12.00-1.00 "  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView6"  
 android:textColor="@android:color/holo\_blue\_bright"  
 android:textAlignment="center"** />  
 <**TextView  
 android:text=" 1.30- 2.30 "  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView7"  
 android:textColor="@android:color/holo\_blue\_bright"  
 android:textAlignment="center"** />  
 <**TextView  
 android:text="2.30-3.30"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textView8"  
 android:textColor="@android:color/holo\_blue\_bright"  
 android:textAlignment="center"** />  
  
 </**TableRow**>  
  
 *<!-- 3 columns -->* <**TableRow android:textAlignment="center"**>  
  
 <**TextView  
 android:id="@+id/textView9"  
 android:text="MON"  
 android:textColor="@color/colorPrimaryDark"  
 android:textAlignment="center"** />  
  
 <**TextView  
 android:id="@+id/textView10"  
 android:text="IML"  
 android:textColor="@android:color/holo\_purple"  
 android:textAlignment="center"** />  
  
 <**TextView  
 android:id="@+id/textView11"  
 android:text="ADM"  
 android:textColor="@android:color/holo\_purple"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView39"  
 android:text="MC"  
 android:textColor="@android:color/holo\_purple"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView12"  
 android:text="AJP"  
 android:textColor="@android:color/holo\_purple"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView13"  
 android:text="ADM"  
 android:textColor="@android:color/holo\_purple"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView14"  
 android:text="placement cell"  
 android:textAlignment="center"  
 android:textColor="@android:color/holo\_purple"**/>  
 </**TableRow**>  
  
 <**TableRow android:textAlignment="center"**>  
 <**TextView  
 android:id="@+id/textView15"  
 android:text="TUE"  
 android:textColor="@color/colorPrimary"  
 android:textAlignment="center"** />  
  
 <**TextView  
 android:id="@+id/textView16"  
 android:text="JAVA"  
 android:textColor="@android:color/holo\_red\_dark"  
 android:textAlignment="center"** />  
  
 <**TextView  
 android:id="@+id/textView17"  
 android:text="IML"  
 android:textColor="@android:color/holo\_red\_dark"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView18"  
 android:text="BDT"  
 android:textColor="@android:color/holo\_red\_dark"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView19"  
 android:text="ADM"  
 android:textColor="@android:color/holo\_red\_dark"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView20"  
 android:layout\_span="2"  
 android:text="MAD LAB"  
 android:textAlignment="center"  
 android:textColor="@android:color/holo\_red\_dark"** />  
  
 </**TableRow**>  
  
 <**TableRow  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:textAlignment="center"**>  
 <**TextView  
 android:id="@+id/textView21"  
 android:text="WED"  
 android:textColor="@color/colorPrimary"  
 android:textAlignment="center"** />  
  
 <**TextView  
 android:id="@+id/textView22"  
 android:text="MC"  
 android:textColor="@android:color/holo\_orange\_light"  
 android:textAlignment="center"** />  
  
 <**TextView  
 android:id="@+id/textView23"  
 android:text="SD LAB"  
 android:layout\_span="2"  
 android:textAlignment="center"  
 android:textColor="@android:color/holo\_orange\_light"** />  
 <**TextView  
 android:id="@+id/textView25"  
 android:text="JAVA"  
 android:textColor="@android:color/holo\_orange\_light"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView26"  
 android:text="IML"  
 android:textColor="@android:color/holo\_orange\_dark"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView41"  
 android:text="AJP"  
 android:textColor="@android:color/holo\_purple"  
 android:textAlignment="center"** />  
 </**TableRow**>  
  
 <**TableRow android:textAlignment="center"**>  
 <**TextView  
 android:id="@+id/textView27"  
 android:text="THU"  
 android:textColor="@color/colorPrimary"  
 android:textAlignment="center"** />  
  
 <**TextView  
 android:id="@+id/textView28"  
 android:text="MC"  
 android:textColor="@android:color/holo\_green\_dark"  
 android:textAlignment="center"** />  
  
 <**TextView  
 android:id="@+id/textView29"  
 android:text="SD LAB"  
 android:layout\_span="2"  
 android:textAlignment="center"  
 android:textColor="@android:color/holo\_green\_dark"** />  
  
 <**TextView  
 android:id="@+id/textView31"  
 android:text="BDT"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView32"  
 android:text="ADM"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView42"  
 android:text="IML"  
 android:textColor="@android:color/holo\_purple"  
 android:textAlignment="center"** />  
 </**TableRow**>  
 <**TableRow android:textAlignment="center"**>  
  
 <**TextView  
 android:id="@+id/textView33"  
 android:text="FRI"  
 android:textColor="@color/colorPrimary"  
 android:textAlignment="center"** />  
  
 <**TextView  
 android:id="@+id/textView34"  
 android:text="JAVA"  
 android:fontFamily="sans-serif"  
 android:textStyle="normal|bold"  
 android:textColor="@android:color/holo\_purple"  
 android:textAlignment="center"** />  
  
 <**TextView  
 android:id="@+id/textView35"  
 android:text="IML"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView36"  
 android:text="ADM"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView37"  
 android:text="BDT"  
 android:textAlignment="center"** />  
 <**TextView  
 android:id="@+id/textView38"  
 android:text="MAD LAB"  
 android:layout\_span="2"  
 android:textAlignment="center"** />  
  
 </**TableRow**>  
</**TableLayout**>

6. absolute layout

<**AbsoluteLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="fill\_parent"**>  
  
 <**Button  
 android:layout\_width="100dp"  
 android:layout\_height="wrap\_content"  
 android:text="OK"  
 android:layout\_x="135px"  
 android:layout\_y="361px"** />  
 <**Button  
 android:layout\_width="100dp"  
 android:layout\_height="wrap\_content"  
 android:text="Cancel"  
 android:layout\_x="250px"  
 android:layout\_y="361px"** />  
 <**Button  
 android:layout\_width="100dp"  
 android:layout\_height="wrap\_content"  
 android:text="OK"  
 android:layout\_x="50px"  
 android:layout\_y="150px"** />  
 <**Button  
 android:layout\_width="100dp"  
 android:layout\_height="wrap\_content"  
 android:text="Cancel"  
 android:layout\_x="50px"  
 android:layout\_y="200px"** />  
  
  
</**AbsoluteLayout**>

9.List view

XML

**package** com.example.mca.listview;  
  
**import** android.app.Activity;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.AdapterView;  
**import** android.widget.ArrayAdapter;  
**import** android.widget.ListView;  
**import** android.widget.Toast;  
  
**import static** com.example.mca.listview.R.id.***textView***;  
  
**public class** MainActivity **extends** Activity  
{  
 ListView **simpleList**;  
 String **contactList**[] = {**"ABILASH"**, **"AKSA"**, **"ANJU"**, **"ANJITHA"**, **"AMMU"**, **"AMAL"**};  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **simpleList** = (ListView)findViewById(R.id.***simpleListView***);  
  
 **final** ArrayAdapter<String> arrayAdapter = **new** ArrayAdapter<String>(**this**, R.layout.***activity\_main*** , ***textView***, **contactList**);  
  
 **simpleList**.setAdapter(arrayAdapter);  
  
  
 **simpleList**.setOnItemClickListener(**new** AdapterView.OnItemClickListener() {  
 @Override  
 **public void** onItemClick(AdapterView<?> adapterView, View view, **int** position, **long** l) {  
  
 String value=arrayAdapter.getItem(position);  
 Toast.*makeText*(getApplicationContext(),value, Toast.***LENGTH\_SHORT***).show();  
  
 }  
 });  
 }  
}

JAVA

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout 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:orientation="vertical"**>  
  
 <**ListView  
 android:id="@+id/simpleListView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:divider="@android:color/holo\_red\_dark"  
 android:dividerHeight="4dp"  
 android:textAlignment="center"  
 android:background="?android:attr/textColorHighlight"  
 android:cacheColorHint="@android:color/holo\_blue\_bright"** />  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
  
 android:textSize="50dp"** />  
</**LinearLayout**>