**Temperature Conversion**

**XML Coding:**

<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:background=*"@color/alphagreen"*

 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=*".MainActivity"* >

 <TextView

 android:id=*"@+id/textView2"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:gravity=*"center"*

 android:text=*"CELSIUS TO FAHREHEIT AND VICE VERSA"* />

 <TextView

 android:id=*"@+id/textView1"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignLeft=*"@+id/textView2"*

 android:layout\_below=*"@+id/textView2"*

 android:layout\_marginTop=*"64dp"*

 android:text=*"Enter the fahrenheit value"* />

 <TextView

 android:id=*"@+id/textView3"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignLeft=*"@+id/textView1"*

 android:layout\_alignParentBottom=*"true"*

 android:layout\_marginBottom=*"162dp"*

 android:text=*"Enter the Celsius value"* />

 <Button

 android:id=*"@+id/button2"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignLeft=*"@+id/textView3"*

 android:layout\_alignTop=*"@+id/textView3"*

 android:layout\_marginTop=*"50dp"*

 android:text=*"Fahrenheit"* />

 <Button

 android:id=*"@+id/button1"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignLeft=*"@+id/textView1"*

 android:layout\_below=*"@+id/textView1"*

 android:layout\_marginTop=*"33dp"*

 android:text=*"Celsius"* />

 <EditText

 android:id=*"@+id/editText1"*

 android:layout\_width=*"55dp"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignBaseline=*"@+id/textView1"*

 android:layout\_alignBottom=*"@+id/textView1"*

 android:layout\_alignRight=*"@+id/textView2"*

 android:layout\_marginRight=*"31dp"*

 android:background=*"@color/alphablue"*

 android:ems=*"10"*

 android:inputType=*"numberDecimal"* >

 <requestFocus />

 </EditText>

 <EditText

 android:id=*"@+id/editText2"*

 android:layout\_width=*"55dp"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignBaseline=*"@+id/textView3"*

 android:layout\_alignBottom=*"@+id/textView3"*

 android:layout\_alignLeft=*"@+id/editText1"*

 android:background=*"@color/alphablue"*

 android:ems=*"10"*

 android:inputType=*"numberDecimal"* />

 <TextView

 android:id=*"@+id/textView4"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignBaseline=*"@+id/button1"*

 android:layout\_alignBottom=*"@+id/button1"*

 android:layout\_toRightOf=*"@+id/textView1"*

 android:text=*"Result Display"*

 android:textSize=*"20dp"* />

 <TextView

 android:id=*"@+id/textView5"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignBaseline=*"@+id/button2"*

 android:layout\_alignBottom=*"@+id/button2"*

 android:layout\_alignLeft=*"@+id/textView4"*

 android:text=*"Result Display"*

 android:textSize=*"20dp"* />

</RelativeLayout>

Program:

**package** com.example.celtofaran;

**import** android.os.Bundle;

**import** android.app.Activity;

**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** Activity {

Button b1,b2;

EditText e1,e2;

TextView t1,t2;

**double** cel,fah;

 @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.*button1*);

 b2 = (Button) findViewById(R.id.*button2*);

 t1 = (TextView) findViewById(R.id.*textView4*);

 t2= (TextView) findViewById(R.id.*textView5*);

 b1.setOnClickListener(**new** OnClickListener() {

 @Override

 **public** **void** onClick(View arg0) {

 fah=Double.*parseDouble*(e1.getText().toString());

 cel=(5.0/9.0)\*(fah-32);

 t1.setText(Double.*toString*(cel));

 }

 });

 b2.setOnClickListener(**new** OnClickListener() {

 @Override

 **public** **void** onClick(View arg0) {

 cel=Double.*parseDouble*(e2.getText().toString());

 fah=(9.0/5.0)\*cel+32;

 t2.setText(Double.*toString*(fah));

 }

 });

 }

 }

**Find the Given year is Lear Year or Not**

<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=*".MainActivity"* >

 <TextView

 android:id=*"@+id/textView2"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:gravity=*"center"*

 android:text=*"Find the Given year is Lear Year or Not"*

 android:textSize=*"25dp"* />

 <TextView

 android:id=*"@+id/textView1"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignParentLeft=*"true"*

 android:layout\_below=*"@+id/textView2"*

 android:layout\_marginTop=*"83dp"*

 android:text=*"Enter the year "*

 android:textSize=*"25dp"* />

 <EditText

 android:id=*"@+id/editText1"*

 android:layout\_width=*"75dp"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignBottom=*"@+id/textView1"*

 android:layout\_marginLeft=*"16dp"*

 android:layout\_toRightOf=*"@+id/textView1"*

 android:ems=*"10"*

 android:inputType=*"number"* />

 <Button

 android:id=*"@+id/button1"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_below=*"@+id/textView1"*

 android:layout\_centerHorizontal=*"true"*

 android:layout\_marginTop=*"51dp"*

 android:text=*"Calculate"* />

</RelativeLayout>

**import** android.os.Bundle;

**import** android.app.Activity;

**import** android.view.View;

**import** android.view.View.OnClickListener;

**import** android.widget.Button;

**import** android.widget.EditText;

**import** android.widget.Toast;

**public** **class** MainActivity **extends** Activity {

 EditText tt;

 Button calculate;

 **int** year;

 @Override

 **protected** **void** onCreate(Bundle savedInstanceState) {

 **super**.onCreate(savedInstanceState);

 setContentView(R.layout.*activity\_main*);

 tt=(EditText)findViewById(R.id.*editText1*);

 calculate=(Button)findViewById(R.id.*button1*);

 calculate.setOnClickListener(**new** OnClickListener()

 {

 @Override

 **public** **void** onClick(View arg0) {

 year=Integer.*parseInt*(tt.getText().toString());

 **if** (year%4==0)

 Toast.*makeText*(MainActivity.**this**,"It is a leap year", Toast.*LENGTH\_LONG*).show();

 **else**

 Toast.*makeText*(MainActivity.**this**,"It is not a leap year", Toast.*LENGTH\_LONG*).show();

 }

 });

 }

}

**Largest of three numbers**

<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=*".MainActivity"* >

 <TextView

 android:id=*"@+id/textView2"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:gravity=*"center"*

 android:text=*" Largest of three numbers "*

 android:textSize=*"25dp"* />

 <TextView

 android:id=*"@+id/textView1"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignLeft=*"@+id/textView2"*

 android:layout\_below=*"@+id/textView2"*

 android:layout\_marginLeft=*"14dp"*

 android:layout\_marginTop=*"46dp"*

 android:text=*"Firat No"* />

 <TextView

 android:id=*"@+id/textView3"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignLeft=*"@+id/textView1"*

 android:layout\_below=*"@+id/textView1"*

 android:layout\_marginTop=*"34dp"*

 android:text=*"Second no"* />

 <TextView

 android:id=*"@+id/textView4"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignRight=*"@+id/textView3"*

 android:layout\_centerVertical=*"true"*

 android:text=*"Third no"* />

 <EditText

 android:id=*"@+id/editText1"*

 android:layout\_width=*"50dp"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignBaseline=*"@+id/textView1"*

 android:layout\_alignBottom=*"@+id/textView1"*

 android:layout\_marginLeft=*"60dp"*

 android:layout\_toRightOf=*"@+id/textView1"*

 android:ems=*"10"*

 android:inputType=*"number"* >

 <requestFocus />

 </EditText>

 <EditText

 android:id=*"@+id/editText2"*

 android:layout\_width=*"50dp"*

 android:layout\_height=*"35dp"*

 android:layout\_alignBaseline=*"@+id/textView3"*

 android:layout\_alignBottom=*"@+id/textView3"*

 android:layout\_alignLeft=*"@+id/editText1"*

 android:ems=*"10"*

 android:inputType=*"number"* />

 <EditText

 android:id=*"@+id/editText3"*

 android:layout\_width=*"50dp"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignBaseline=*"@+id/textView4"*

 android:layout\_alignBottom=*"@+id/textView4"*

 android:layout\_alignLeft=*"@+id/editText2"*

 android:ems=*"10"*

 android:inputType=*"number"* />

 <Button

 android:id=*"@+id/button1"*

 android:layout\_width=*"wrap\_content"*

 android:layout\_height=*"wrap\_content"*

 android:layout\_alignLeft=*"@+id/editText3"*

 android:layout\_below=*"@+id/editText3"*

 android:layout\_marginTop=*"33dp"*

 android:text=*"Calculate"* />

</RelativeLayout>

**import** android.os.Bundle;

**import** android.app.Activity;

**import** android.view.Menu;

**import** android.view.View;

**import** android.view.View.OnClickListener;

**import** android.widget.Button;

**import** android.widget.EditText;

**import** android.widget.Toast;

**public** **class** MainActivity **extends** Activity {

 Button b1;

 EditText e1,e2,e3;

 **int** a,b,c;

 @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*);

 e3= (EditText) findViewById(R.id.*editText3*);

 b1 = (Button) findViewById(R.id.*button1*);

 b1.setOnClickListener(**new** OnClickListener() {

 @Override

 **public** **void** onClick(View arg0) {

 a=Integer.*parseInt*(e1.getText().toString());

 b=Integer.*parseInt*(e2.getText().toString());

 c=Integer.*parseInt*(e3.getText().toString());

 **if**((a>b)&&(b>c))

 Toast.*makeText*(MainActivity.**this**,"First no is greatest no", Toast.*LENGTH\_LONG*).show();

 **else** **if**(b>c)

 Toast.*makeText*(MainActivity.**this**,"Second no is greatest no", Toast.*LENGTH\_LONG*).show();

 **else**

 Toast.*makeText*(MainActivity.**this**,"Third no is greatest no", Toast.*LENGTH\_LONG*).show();

 }

 });

 }}