**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();

}

});

}}