Dipen Delvadiya

Lab – 2

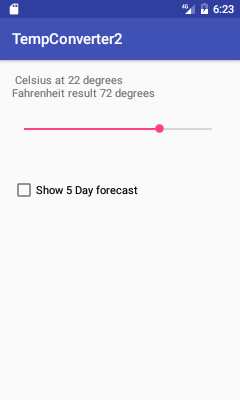
ITMD – 455

James Papademas

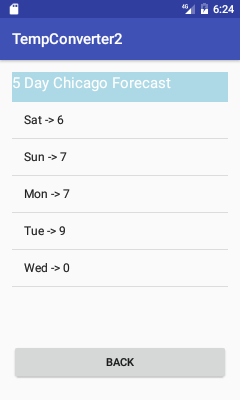
02/10/2017

**Snapshots:**

1. 22 C to F

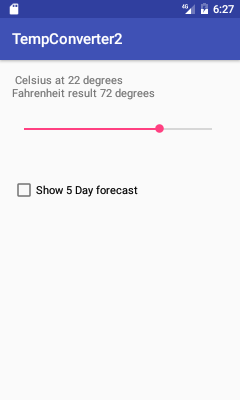


1. 5 day forecast



1. After clicking Back button

Since it is identical as first one, only way to prove is by time



**Source Codes:**

**Mainactivity.java**

**package** com.example.dipendelvadiya.tempconverter2;  
  
**import** android.graphics.Color;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.view.ViewStub;  
**import** android.widget.ArrayAdapter;  
**import** android.widget.Button;  
**import** android.widget.CheckBox;  
**import** android.widget.CompoundButton;  
**import** android.widget.ListView;  
**import** android.widget.SeekBar;  
**import** android.widget.SeekBar.OnSeekBarChangeListener;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 SeekBar **seekBar**; *//declare seekbar object* TextView **textView**;  
 TextView **titleView**;  
 View **view**;  
 Button **btn**;  
 *//declare member variables for SeekBar* **int discrete**=0;  
 **int start**=50;  
 **int start\_position**=50; *//progress tracker* **int temp**=0;  
 *//declare objects for ViewStub* ViewStub **stub**;  
 CheckBox **checkBox**;  
 *//declare Listview object* ListView **lv**;  
  
 @Override  
 **public void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 *//declare viewstub object* **stub** = (ViewStub) findViewById(R.id.***viewStub1***);  
 @SuppressWarnings(**"unused"**)  
 View inflated = **stub**.inflate();  
 **stub**.setVisibility(View.***INVISIBLE***);  
  
 *//ViewStub logic* **checkBox**=(CheckBox) findViewById(R.id.***checkBox1***);  
  
 *//handle checkbox click event* **checkBox**.setOnCheckedChangeListener(**new** CheckBox.OnCheckedChangeListener()  
 {  
 **public void** onCheckedChanged(CompoundButton arg0, **boolean** isChecked)  
 {  
 **if** ( isChecked )  
 {  
 *//remove objects from parent view to allow for child view* **checkBox**.setVisibility(View.***GONE***);  
 **seekBar**.setVisibility(View.***GONE***);  
 **textView**.setVisibility(View.***GONE***);  
  
 **stub**.setVisibility(View.***VISIBLE***);  
 }  
 }  
 });  
  
  
 *//seekbar logic* **textView** = (TextView) findViewById(R.id.***textview***);  
 **textView**.setText(**" Celsius at 0 degrees"**); *//set default view* **seekBar**=(SeekBar) findViewById(R.id.***seekbar***);  
 **seekBar**.setProgress(**start\_position**);  
  
 *//create event handler for SeekBar* **seekBar**.setOnSeekBarChangeListener(**new** OnSeekBarChangeListener() {  
  
 @Override  
 **public void** onStopTrackingTouch(SeekBar seekBar) {  
 *//* ***TODO Auto-generated method stub* if**(**temp**==0) *//for initial view result  
 //Toast.makeText(getBaseContext(), "Fahrenheit result 32 degrees",  
 //Toast.LENGTH\_SHORT).show();* **textView**.setText(**" Celsius at "**+**temp**+ **" degrees"** + **"\n"** + **"Fahrenheit result 32 degrees"** );  
 **else** *//Toast.makeText(getBaseContext(), "Fahrenheit result "  
 //+String.valueOf(discrete) + " degrees",  
 //Toast.LENGTH\_SHORT).show();* **textView**.setText(**" Celsius at "**+**temp**+ **" degrees"** + **"\n"** + **"Fahrenheit result "** + String.*valueOf*(**discrete**) + **" degrees"** );  
 }  
 @Override  
 **public void** onStartTrackingTouch(SeekBar seekBar) {  
 *//* ***TODO Auto-generated method stub*** }  
 @Override  
 **public void** onProgressChanged(SeekBar seekBar, **int** progress,**boolean** fromUser) {  
  
 *//* ***TODO Auto-generated method stub*** *// To convert progress passed as discrete (Fahrenheit) value* **temp**=progress-**start**;  
 **discrete**=(**int**) Math.*round*((((**temp** \* 9.0) / 5.0) + 32)); *//convert C to F temp  
 //textView.setText(" Celsius at "+temp + " degrees");* }  
 });  
  
 *//Listview logic* **titleView** = (TextView) findViewById(R.id.***title***);  
 **titleView**.setText(**"5 Day Chicago Forecast"**);  
 **titleView**.setBackgroundColor(Color.*parseColor*(**"#add8e6"**));  
 **titleView**.setTextColor(Color.*parseColor*(**"#ffffff"**));  
  
 String[] wkTemps = **new** String[] { **"Sat -> 6"**, **"Sun -> 7"**, **"Mon -> 7"**, **"Tue -> 9"**, **"Wed -> 0"**};  
 **lv**=(ListView) findViewById(R.id.***listView***);  
 @SuppressWarnings({ **"unchecked"**, **"rawtypes"** })  
 */\*  
 \* To use a basic ArrayAdapter, you just need to initialize the adapter and  
 \* attach the adapter to the ListView. First, initialize the adapter...:  
 \*  
 \*/* ArrayAdapter adapter = **new** ArrayAdapter(**this**,  
 android.R.layout.***simple\_list\_item\_1***, android.R.id.***text1***, wkTemps);  
  
 *// Assign adapter to ListView* **lv**.setAdapter(adapter);  
  
 **btn** = (Button) findViewById(R.id.***button***);  
 **btn**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **stub**.setVisibility(View.***GONE***);  
  
 **checkBox**.setVisibility(View.***VISIBLE***);  
 **seekBar**.setVisibility(View.***VISIBLE***);  
 **textView**.setVisibility(View.***VISIBLE***);  
 **checkBox**.setChecked(**false**);  
 }  
 });  
  
  
 }*//end onCreate method*}

**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: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.mypackage.TempConverter2.MainActivity"**>  
  
 <**TextView android:id="@+id/textview"  
 android:lines="2"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"** />  
  
 *<!-- add View as gap for 4 blank lines -->* <**View  
 android:layout\_width="fill\_parent"  
 android:layout\_height="60dp"  
 android:id="@+id/view"**>  
 </**View**>  
  
 <**SeekBar android:id="@+id/seekbar"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:max="100"  
 android:minWidth="250dp"  
 android:layout\_below="@+id/view"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"** />  
  
 <**CheckBox  
 android:id="@+id/checkBox1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Show 5 Day forecast"  
 android:layout\_below="@+id/seekbar"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginTop="49dp"** />  
  
 <**ViewStub  
 android:id="@+id/viewStub1"  
 android:layout="@layout/stubview"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
</**RelativeLayout**>

**stubview.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:orientation="vertical" android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:weightSum="1"**>  
  
  
 <**TextView android:id="@+id/title"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="40dp"  
 android:textSize="20dp"**/>  
  
  
  
 <**ListView  
 android:id="@+id/listView"  
 android:layout\_height="322dp"  
 android:layout\_width="match\_parent"**/>  
  
 <**Button  
 android:text="Back"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/button"** />  
  
</**LinearLayout**>