**package** com.google.timepickerexample;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
  
**import** java.util.Calendar;  
  
**import** android.app.Activity;  
**import** android.os.Bundle;  
**import** android.view.Menu;  
**import** android.view.View;  
**import** android.widget.TextView;  
**import** android.widget.TimePicker;  
  
**public class** MainActivity **extends** Activity {  
 **private** TimePicker **timePicker1**;  
 **private** TextView **time**;  
 **private** Calendar **calendar**;  
 **private** String **format** = **""**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **timePicker1** = (TimePicker) findViewById(R.id.***timePicker1***);  
 **time** = (TextView) findViewById(R.id.***textView1***);  
 **calendar** = Calendar.*getInstance*();  
  
 **int** hour = **calendar**.get(Calendar.***HOUR\_OF\_DAY***);  
 **int** min = **calendar**.get(Calendar.***MINUTE***);  
 showTime(hour, min);  
 }  
  
 **public void** setTime(View view) {  
 **int** hour = **timePicker1**.getCurrentHour();  
 **int** min = **timePicker1**.getCurrentMinute();  
 showTime(hour, min);  
 }  
  
 **public void** showTime(**int** hour, **int** min) {  
 **if** (hour == 0) {  
 hour += 12;  
 **format** = **"AM"**;  
 } **else if** (hour == 12) {  
 **format** = **"PM"**;  
 } **else if** (hour > 12) {  
 hour -= 12;  
 **format** = **"PM"**;  
 } **else** {  
 **format** = **"AM"**;  
 }  
  
 **time**.setText(**new** StringBuilder().append(hour).append(**" : "**).append(min)  
 .append(**" "**).append(**format**));  
 }  
  
  
}

**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="20dp"  
 android:paddingLeft="20dp"  
 android:paddingRight="20dp"  
 android:paddingTop="20dp"  
 tools:context=".MainActivity"** >  
  
 <**TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:text="@string/time\_pick"  
 android:textAppearance="?android:attr/textAppearanceMedium"** />  
  
 <**Button  
 android:id="@+id/set\_button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="180dp"  
 android:onClick="setTime"  
 android:text="@string/time\_save"** />  
  
 <**TimePicker  
 android:id="@+id/timePicker1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_above="@+id/set\_button"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="24dp"** />  
  
 <**TextView  
 android:id="@+id/textView3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignLeft="@+id/timePicker1"  
 android:layout\_alignTop="@+id/set\_button"  
 android:layout\_marginTop="67dp"  
 android:text="@string/time\_current"  
 android:textAppearance="?android:attr/textAppearanceMedium"** />  
  
 <**TextView  
 android:id="@+id/textView1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/textView3"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="50dp"  
 android:text="@string/time\_selected"  
 android:textAppearance="?android:attr/textAppearanceMedium"** />  
  
</**RelativeLayout**>

String.xml

<**resources**>  
 <**string name="app\_name"**>TimePicker</**string**>  
 <**string name="action\_settings"**>Settings</**string**>  
 <**string name="time\_picker\_example"**>Time Picker Example</**string**>  
 <**string name="time\_pick"**>Pick the time and press save button</**string**>  
 <**string name="time\_save"**>Save</**string**>  
 <**string name="time\_selected"**></**string**>  
 <**string name="time\_current"**>The Time is:</**string**>  
</**resources**>